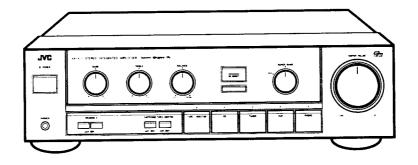
# **JVC**

# SERVICE MANUAL

# STEREO INTEGRATED AMPLIFIER

# MODEL No. AX-411BK



#### **Contents**

	ray
Safety Precautions	1-2
Specifications	1-3
Front Panel	1-4
Operation	1-5
Removal Procedures	1-6
Adjustment Procedures	1-7

	1-8
Block Diagram 1	
Internal Block Diagrams of ICs 1	
Connection Diagram1	I-10
Schematic DiagramsInser	tion
Printed Circuit Boards Inser	tion
Parts List Separate Volume Inser	tion

# **Safety Precautions**

- 1. The design of this product contains special hardware and many circuits and components specially for safety purpose. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- 2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by ( ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
- 5. Leakage current check (Electrical shock hazard testing)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

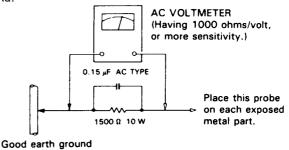
Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current
  from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the
  chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
- Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500  $\Omega$  10 W resistor paralleled by a 0.15  $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



# Warning

- 1. This equipment has been designed and manufactured to meet international safety standards.
- 2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- 3. Repairs must be made in accordance with the relevant safety standards.
- 4. It is essential that safety critical components are replaced by approved parts.
- 5. If mains voltage selector is provided, check setting for local voltage.

# **Specifications**

### AX-411BK OVERALL CHARACTERISTICS

Output power:

100 watts per channel into 4 ohms at 1 kHz (DIN).

70 watts per channel into 8 ohms at 1 kHz

65 watts per channel, min. RMS, both channels driven, into 8 ohms from 20 Hz to 20 kHz, with no more than 0.007% total harmonic dis-

65 watts per channel, min. RMS, both channels driven, into 8 ohms at 1 kHz with no more than 0.003% total harmonic distortion. (measured by JVC Audio Analyzer System)

Total harmonic distortion

0.007% (20 Hz -20 kHz, 8 ohms) at 65 watts

Intermodulation distortion

: 0.007% (60 Hz : 7 kHz = 4:1,8 ohms) at

65 watts 5 Hz — 50 kHz (IHF,

Power band width

0.05%, 8 ohms both channels driven)

Frequency response

5 Hz — 80 kHz +0, -3 dB (8 ohms) : 90 (1 kHz, 8 ohms)

Damping factor Input terminals Input sensitivity/

impedance (1 kHz) PHONO (MM) PHONO (MC) 2.5 mV/47 kohms  $200 \ \mu V/100 \ ohms$ CD/AUX/ 200 mV/43 kohms TUNER/TAPE 1, 2

Signal-to-noise ratio PHONO (MM)

PHONO (MC) CD/AUX/

85 dB ('66 IHF) 66 dB ('66 IHF) 104 dB ('66 IHF)

TUNER/TAPE 1, 2 PHONO (MM)

: 82 dB ('78 IHF)

(REC OUT) PHONO (MC) (REC OUT)

: 74 dB ('78 IHF) : 76 dB ('78 IHF)

CD/AUX/ TUNER/TAPE 1, 2

(SP OUT) : 67 dB (DIN)

PHONO (MM) CD/AUX/

: 68 dB (DIN) TUNER/TAPE 1, 2 : TREBLE: +8 ±1 dB

Tone controls

-8 ±1 dB (at 10 kHz)

BASS +8 ±1 dB

 $-8 \pm 1 \, dB$ (at 100 Hz) : +6 dB (at 50 Hz)

SUPER BASS (Volume control at -30 dB position)

**EQUALIZER** 

PHONO overload capacity

PHONO (MM) PHONO (MC)

: 100 mV (0.02% THD) : 8 mV (0.04% THD)

PHONO RIAA

deviation PHONO (MM)

: ±0.3 dB (20 Hz -

20 kHz)

±0.5 dB (20 Hz — PHONO (MC)

20 kHz)

Recording output Output level/ impedance

TAPE REC-1, 2 200 mV/Maximum

2 kohms

**GENERAL** 

Dimensions

: 435 (W) x 127 (H) x 310 (D) mm (17-3/16" x 4-15/16"

x 12-1/16'')

Weight

: 7.5 kg (16.5 lbs.)

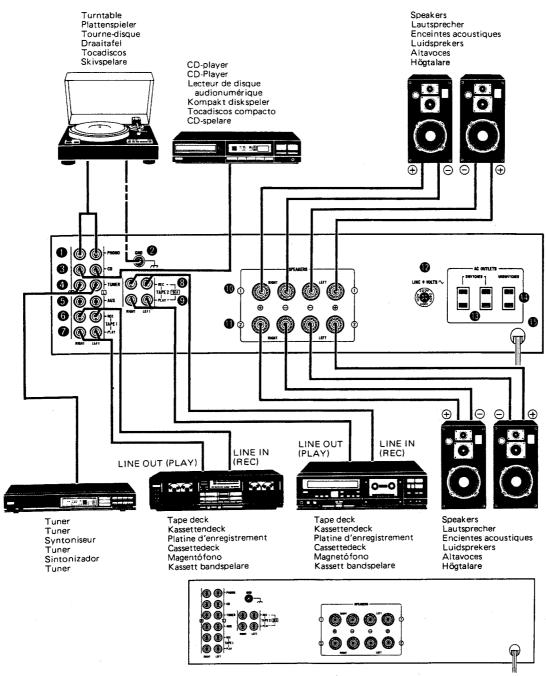
Design and specifications subject to change

without notice.

#### **POWER SPECIFICATIONS**

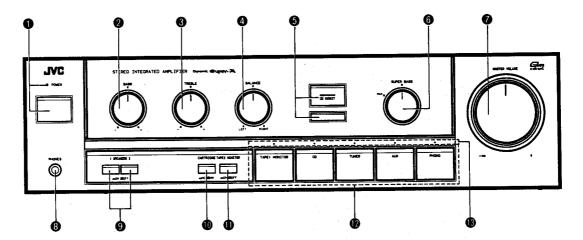
		Power consumption		
Areas	Line voltage & frequency	AX-311BK	AX-411BK	
Continental Europe	AC 220 V∿, 50 Hz	220 watts	240 watts	
U.K.	— AC 240 V∿, 50 Hz	510 watts	590 watts	
Australia	AC 240 V/O, 50 HZ	510 Walls	550 Walis	
Other areas	AC 110/120/220/240 V	220 watts	240 watts	

# CONECTION DIAGRAM ANSCHLUSSDIAGRAMM SCHEMA DE RACCORDEMENTS AANSLUITINGSSCHEMA DIAGRAMA DE CONEXIONES ANSLUTNINGSSCHEMA



Provided on units for Continental Europe, the United Kingdom and Australia. Vorhanden an Geräten für Kontinentaleuropa, Großbritannien und Australien. Fourni sur les appareils pour l'Europe Continentale, le Royaume-Uni et l'Australie. Aanwezig op apparaten voor het Europese Vasteland, Groot-Brittannië en Australië. Se provee en las unidades para Europa Continental, el Reino Unido y Australia. För kontinentala Europa, Storbritannien och Australien.

#### FRONT PANEL



#### POWER and indicator

Press this button to turn the power on. To turn the power off, press it again The indicator lights when the POWER button is pressed to on.

#### Notes:

- When power is not supplied to this amplifier for 2 3 days, the source select button pressed before the power was switched off may be lost when the power is switched on again. If this happens, set the buttons, etc. again.

  • An electronic source selector is used in
- this unit. When the POWER button is first switched on, two or more sources or no source may be selected. Make sure to input the source select data by pressing one of the source selectors.
- If the POWER button is pressed repeat-edly to switch on and off too quickly, the same phenomenon as the above will occur.

#### **BASS**

Turn clockwise to boost bass response and counterclockwise to decrease it.

Turn clockwise to boost treble response and counterclockwise to decrease it.

Balances the volume between the left and right speakers. Usually set it to the center click position.

#### O CD DIRECT and indicator

Press this button to enjoy listening to the CD with good sound quality. The indicator lights and the signal fed from the CD terminals is directly connected to the volume, bypassing the circuits on the way, thus allowing you to enjoy listening to an improved sound quality.

#### Note:

• While the CD DIRECT button is pressed, the reproduced sound does not change even if the source selector (including TAPE 2 MONITOR) and BALANCE volume are operated, press the CD DIRECT button again to turn the indicator off when using these.

#### **6** SUPER BASS

When sound volume is turned down, the human ear tends to become less aware of bass sound. At low sound levels the SUPER BASS knob can be used to emphasize the bass sound. For ordinary use, the knob should be set to the normal position.

#### MASTER VOLUME

Controls the volume of the speakers and headphones.

#### PHONES (Headphones jack)

Plug stereo headphones into this jack for private listening.

If you want to listen to sound from the headphone only, press the SPEAKERS buttons to "OFF".

#### SPEAKERS

Press to switch the speakers connected to the SPEAKERS 1 or 2 terminals on ( - ) and off ( \_\_\_\_).

#### CARTRIDGE

MC ( \_ ): Press in when using an MC cartridge having an output of less than 0.5 mV. MM ( \_\_\_\_ ): Press again when using an MM or MC cartridge having an output of more than 0.5 mV.

#### TAPE 2 MONITOR

ON ( \_ ): Set to this position to listen to the tape deck connected to the TAPE 2 terminals of this unit. If your tape deck is of the 3-head type, you can monitor the recorded sound while recording by setting this button to ON.

OFF ( ): Keep this button set to this position, except when you want to listen to the tape deck connected to the TAPE 2 terminals of this unit.

#### Source selector

#### TAPE 1 MONITOR

Press to listen to a tape deck connected to the TAPE 1 terminals. CD

Press to listen to the source connected to the CD terminals. TUNER

Press to listen to radio broadcasts by a tuner connected to the TUNER terminals. AUX

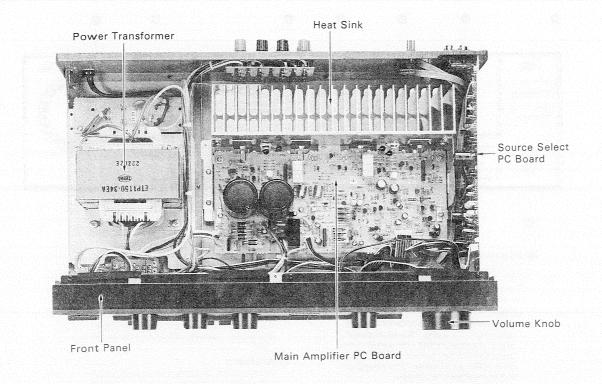
#### Press to listen to the source connected to the

AUX terminals. Press to listen to records played by a turnta-

#### ble connected to the PHONO terminals. Source indicator

The indicator corresponding to the source select button pressed lights.

# Removal Procedures



#### ■ Removing the Top Cover

- 1. Remove six screws.
- 2. Remove the top cover by lifting up its rear section and pulling it backward while holding it on incline.

#### Removing the Front Panel

- 1. Remove the top cover.
- 2. Pull out the volume knob.
- 3. Remove three plastic rivets on the upper part of the front panel and three screws from the lower part.

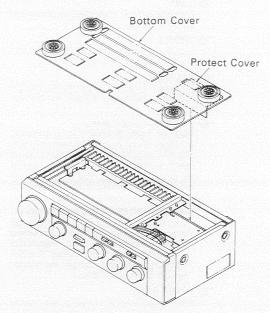
#### Removing the Bottom Cover

1. Remove 17 screws fixing the bottom cover.

Note: When installing the bottom cover, properly insert the protect cover between the power transformer and the power primary PC board as shown in the figure at right.

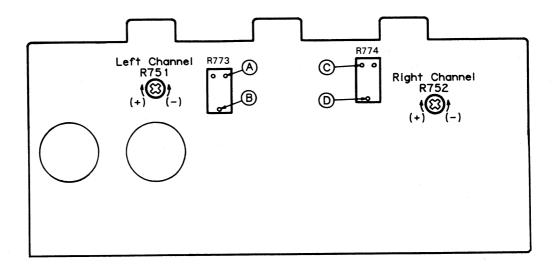
#### Removing the Power Transistors

- 1. Remove the top cover.
- 2. Remove the bottom cover.
- 3. Remove the retaining screw from the defective power transistor and replace it.



# **Adjustment Procedures**

■ Power Amplifier Idling Adjustment

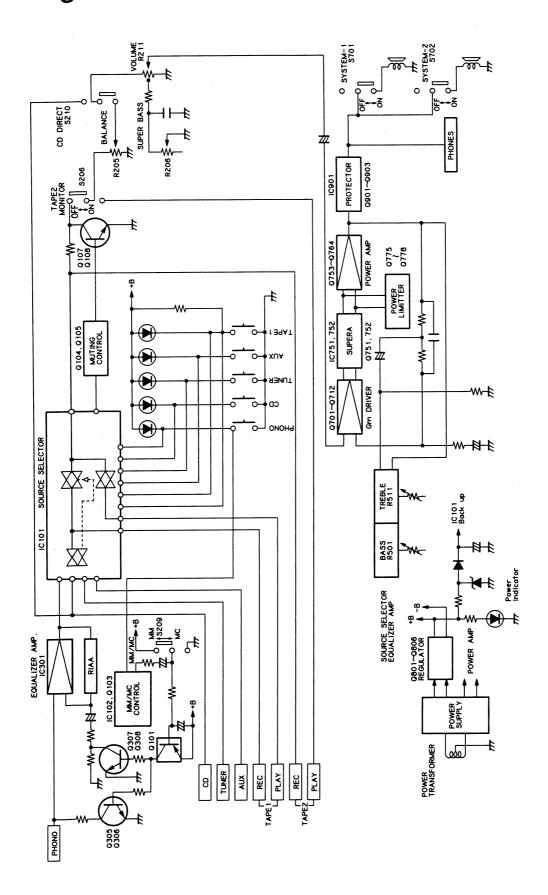


- Before turning on the power, turn the the semi-fixed resistors (R751 for L channel and R752 for R channel) of the power amplifier circuit board fully counterclockwise.
- 2. Adjust the semi-fiexed resistor (R751 and R752) so that the voltage at the following test points of the power amplifier circuit board is within a range of 3  $\sim$  5 mV after the power is turned on.
  - L channel: Measure the voltage between test point (a) (emitter of Q761) and output at the test point (a).
  - R channel: Meaure the voltage between test point © (emitter of Q762) and output at the test point ©.
- 3. Readjust resistors R751 and R752 about 10 minutes after the power is turned on (the heatsink temperature must be sufficiently high) so that the voltage at the test points becomes 11 mV.

Confirm that the voltage does not vary when the heatsink temperature increases further.

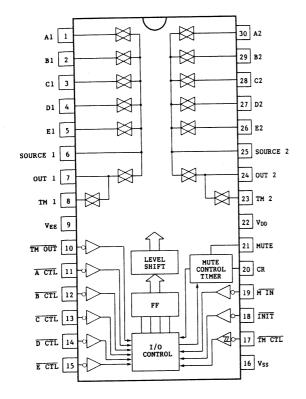
Note: Be sure to perform the measurement with the probes and cabinet of the measuring equipment separated from the grounding terminals of AX-411BK or other measuring equipment.

# **Block Diagram**

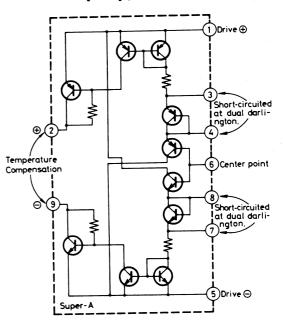


# **Internal Block Diagrams of ICs**

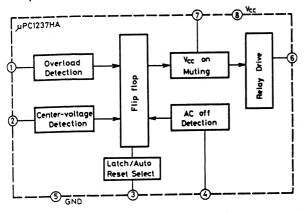
#### ■ LC7818 (IC101): Analog Switch



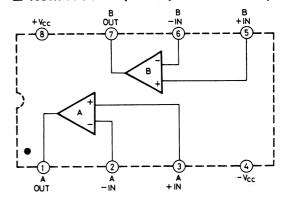
#### ■ VC5022 [X, Y] (IC751, IC752): Super-A



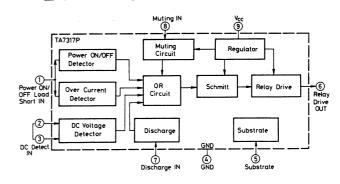
#### ■ µPC1237HA (IC901): Relay Driver

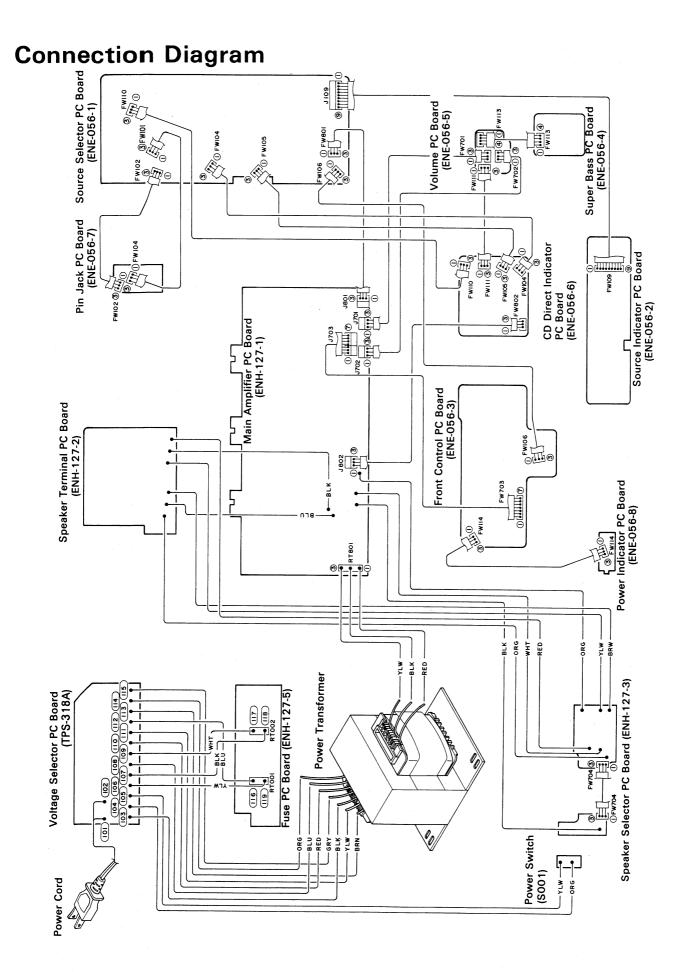


#### ■ NJM4560DD (IC301): Dual OP Amp.



#### ■ TA7317P (IC102): Driver



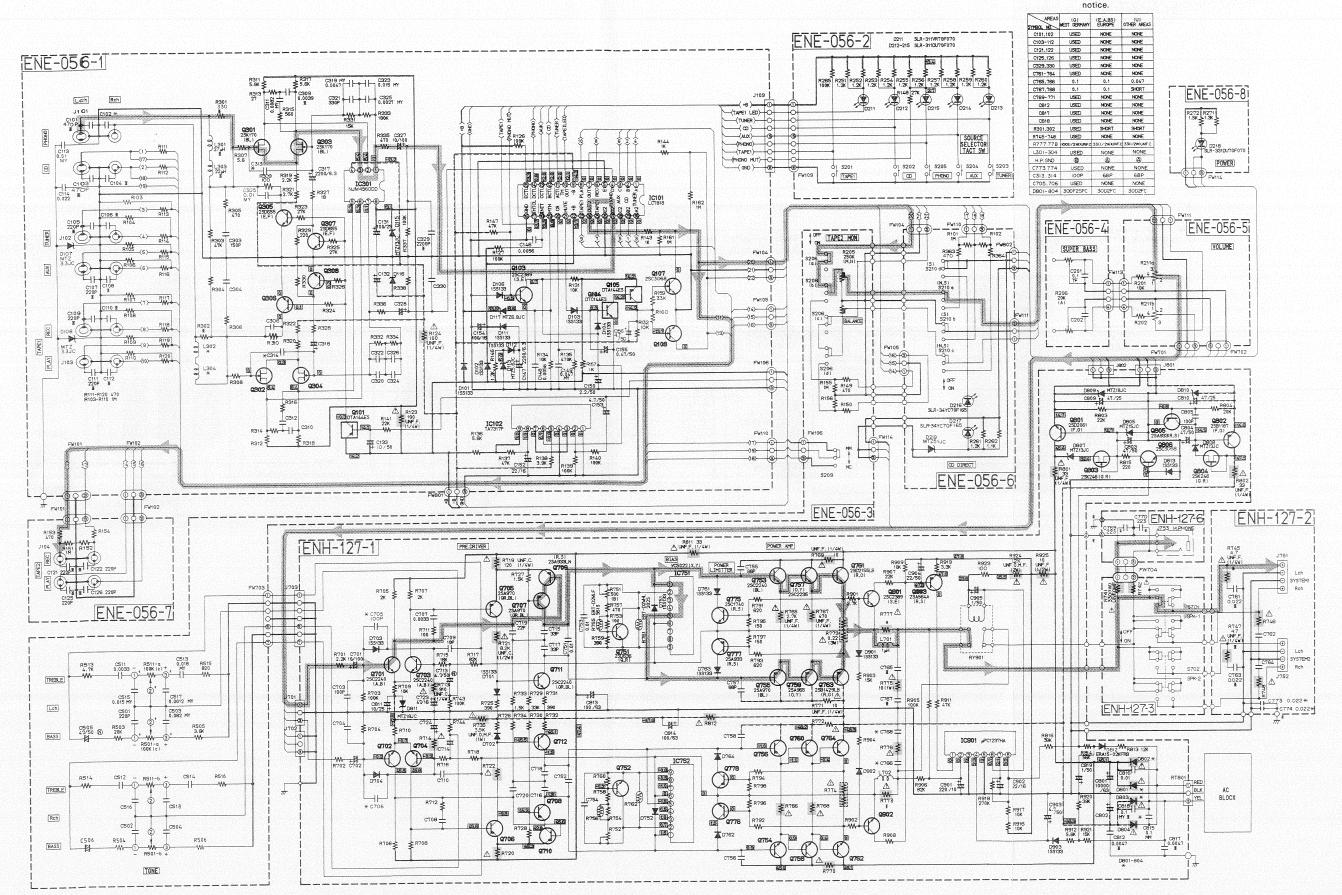


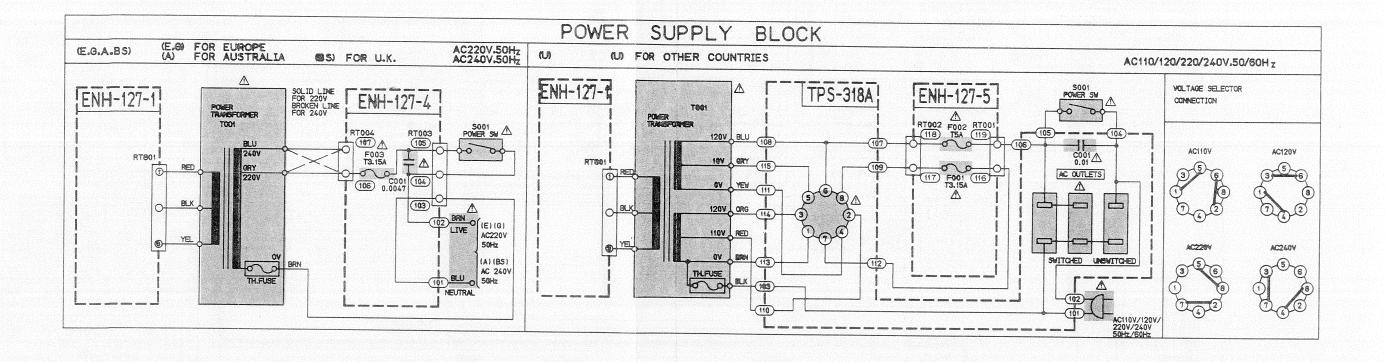
## **Schematic Diagrams**

(1) Source Select and Main Amplifier Section

- indicates + B power supply.
- . ---- indicates B power supply. 3. indicates signal path.
- 4. shows DC voltage to the chassis with no signal 6. This is the standard circuit diagram.
- 5. When replacing the parts in the darkened are ( ) and those marked with  $\hat{\Delta}$  , be sure to use the designated parts to ensure safety.

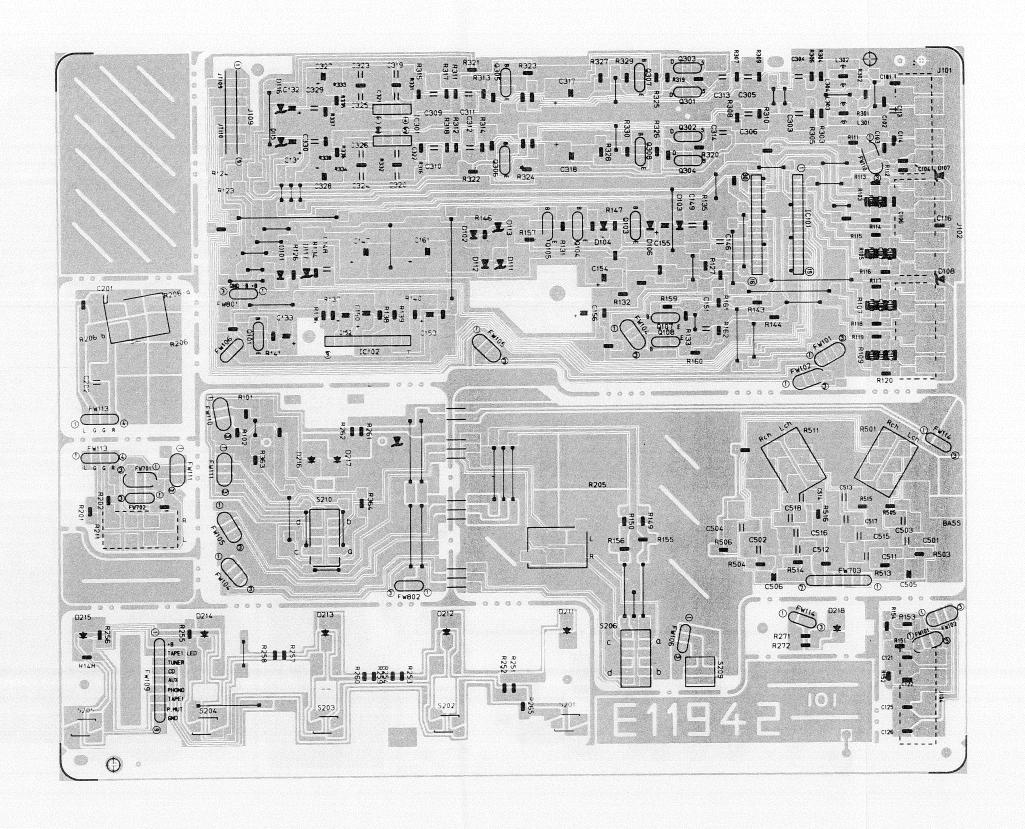
The design and contents are subject to change without

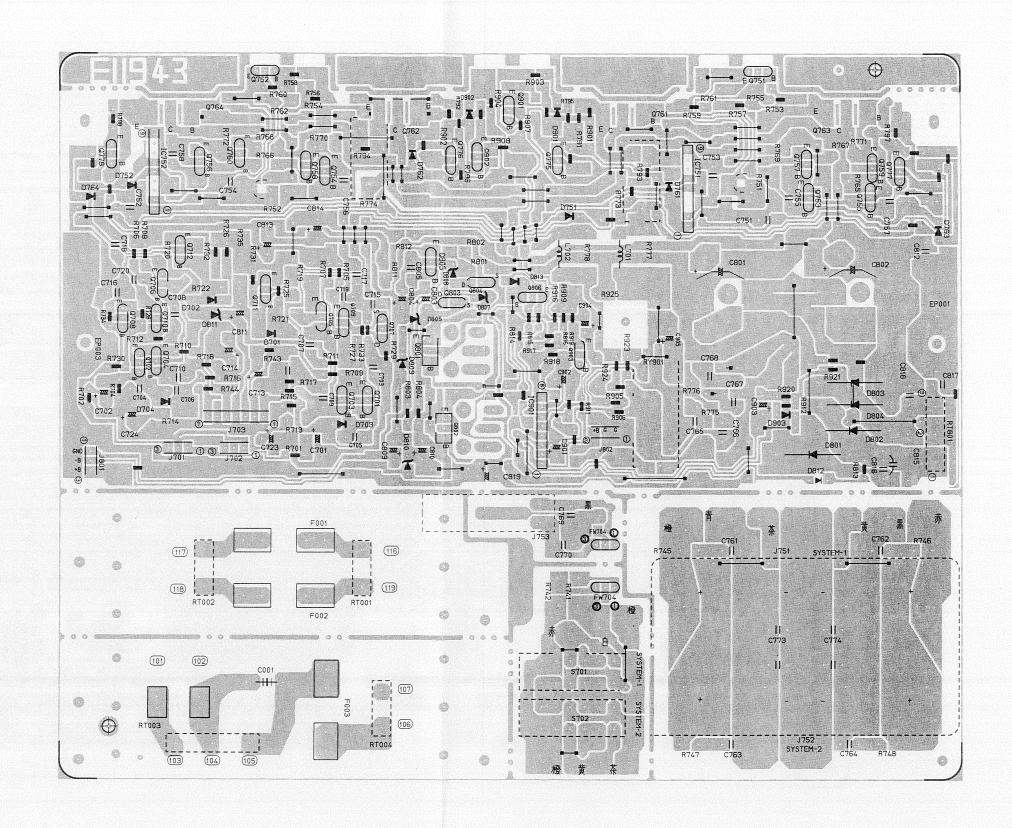




# **Printed Circuit Boards**

■ Source Select PC Board (ENE-056)



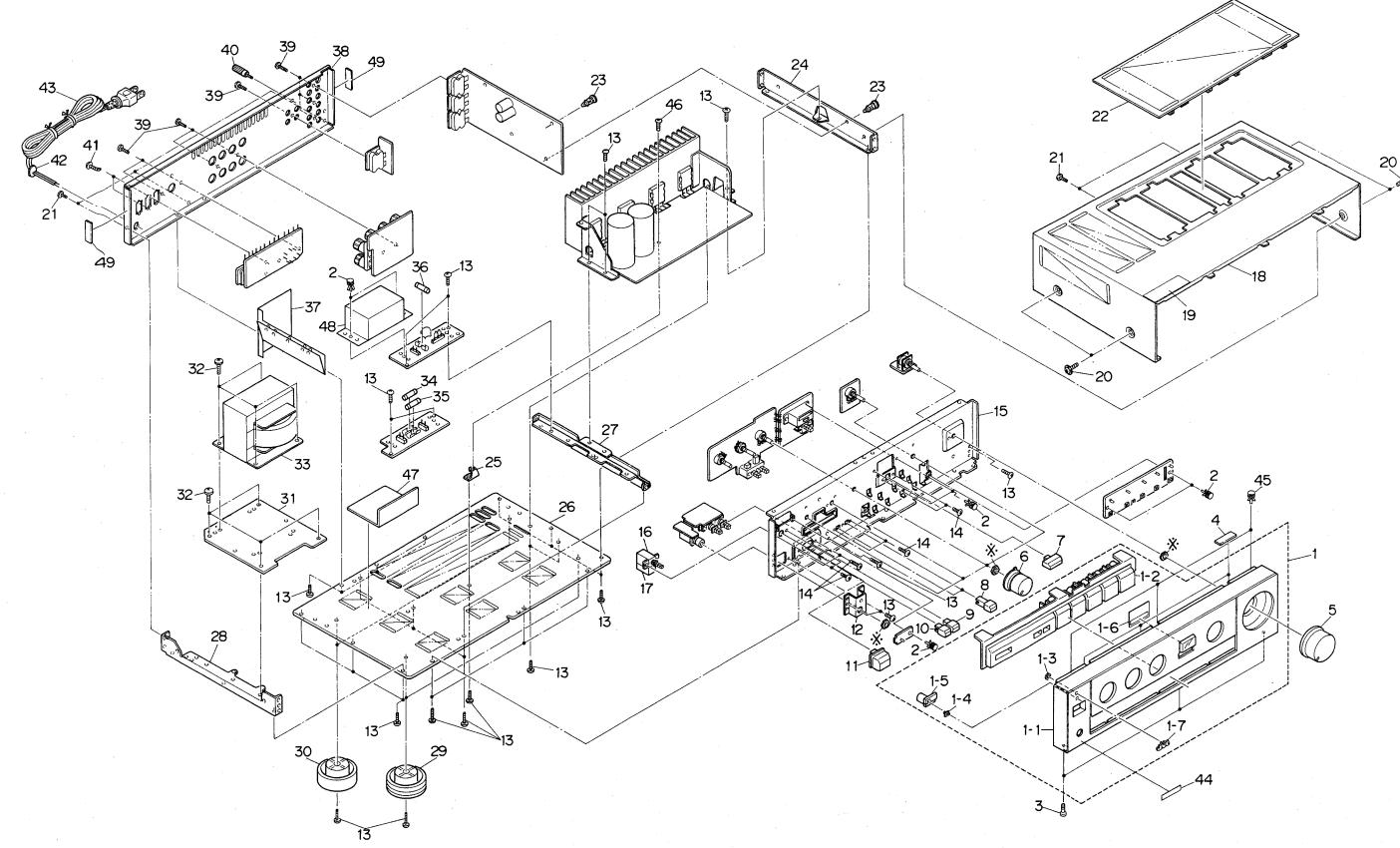


# **PARTS LIST**

# **Contents**

Exploded View and Parts List	2-3
Exploded View and Parts List	
Printed Circuit Board Ass'y and Parts List'	2-6
■ ENH-127 □ Main Amplifier PC Board Ass'y	2-6
ENH-127 I Main Ampiner 1 5 Board 7 to 5	2.0
■ TPS-318 A Voltage Selector PC Board Ass'y	2-3
■ ENE-056 □ Source Selector PC Board Ass'y	2-10
Accessories List	2-12
Accessories List	
Packing Materials and Part Numbers	.2-13

# **Exploded View and Parts List**



$\Lambda$	Item	Part Number	Part Name	Q'ty	Description	Areas
	1	EFP-AX41 1 BKE	Front Panel Ass'y	1		
į	1-1	E26391-O02	Front Panel	1 1		
	1-2 1-3	E26332- <b>O</b> 02 E60912- <b>O</b> 03	Push Button Ass'y Supeed Nut	1		
	1-3	E73522- <b>O</b> 01	Indicator	1 1		
		E75286-O01	Holder	1		
	1-5 1-6	E75327- <b>O</b> 01	Indicator Sheet	1		
	1-0	E72968-O01	JVC Mark	1 1	<u>[</u>	
	2	E48729-008	Plastic Rivet	5	i	lu
		E48729-008	Plastic Rivet	1 7		Except U
	3	SBSG3006 M	Screw	3		- Lincopi o
	4	EXO06000 7N40S	Felt Spacer	3		
	5	E305980- <b>O</b> 01	Volume Knob	1 1	l	
	6	E305981-O01	Knob	4	Tone	1
	7	E75117-001	Push Button	1	· '	1
	8	E75182-001	Push Button	2	Tape	
	9	E75073-002	Push Button	1	1 '	
	10	E75073-0 <b>0</b> 1	Push Button	1	SPK-1	İ
	11	E75079-001	Power Button	1		Ì
	12	E75183-0 <b>O</b> 1	Head Phone Bracket	1 1		
	13	SBSG3008 CC	Screw	31		
	14	SBST3006CC	Screw	8	1	
	15	E11953-001	Front Bracket	1		
	16	QSP1106-O04	Push Switch	1 1		Except BS
		QSP1106-O04BS	Push Switch	1		BS
	17	E71004-001	Switch Cover	1		1
	18	E26336-001	Metal Cover	1 1		U,A,G
	4.0	E26336-002	Metal Cover Caution Label	1		E, EF, BS
	19	E67000-005	Special Screw	1 4		
	20	E61660-004				
	21	SBSG3008M E24134-008	Screw Grill	5		r er ne
	22° 23	E303216-001	Fastener	2		E, EF, BS
	23	E305811-001	Side Bracket	1	Right	
	25	E68587-008	Bracket	li	i want	1
	26	E26273-001	Bottom Cover			
	27	E305812-002	Center Bracket	1		
	28	E305810-001	Side Bracket	l i	Left	
	29	E75088-001	Foot	2	Front	
	30	E75088-002	Foot	2	Rear	
	31	E305803-O02	Trans Bracket	1		
	32	E65389-004	Special Screw	8		
<b>A</b>	33	ETP1150-34FA	Power Transformer	1		U
<b>A</b>		ETP1150-34EA	Power Transformer	1	1	E,EF,G,A
<u> </u>		ETP1150-34EABS	Power Transformer	1 1		BS
	34	QMF51A2-3R15S	Fuse	1		U
4	35	QMF51A2-5R0S	Fuse		F002	U
4	36	QMF51A2-3R15S	Fuse	1	F003	E,EF,G,A
<u> </u>		QMF51E2-3R15SBS	Fuse	1 1	F003	BS
	37	E305986-001	Protect Cover	1		
	38	E26334-003	Rear Panel	1		U
	[	E26334-004	Rear Panel	1 1		Except U
	20	E303216-190 E73273-001	Rating Label Screw	1 6		E, EF, G Except U
	39	E73273-001	Screw	8	i	U
	40	<del></del>	GND.Terminal	1		<del>  •</del>
	40 41	E70078-001 SDSB3008M	Screw	2		lυ
Λ	41	QHS3876-162	Cord Stopper	1		Except BS
术	7	QHS3876-162BS	Cord Stopper	1		BS
	43	QMP7600-200	Power Cord	li		Ü
$\overline{\Lambda}$	<del>                                     </del>	QMP3900-200	Power Cord	1		E,EF,G
术		QMP2560-244	Power Cord	1		Α΄
	l	QMP9017-008BS	Power Cord	i		BS
	44	E49267-001	Origin Marking Label	1	· ·	BS
	45	E48729-009	Plastic Rivet	3		
	46	GBSB3008CC	Screw	1		
	47	E75353-001	Protect Cover	1		Except U
	1	E30617-001	Protect Cover	1 1		Except U
	48 49	EXO040010R10S10	Spacer	2	l · · · · · · · · · · · · · · · · · · ·	

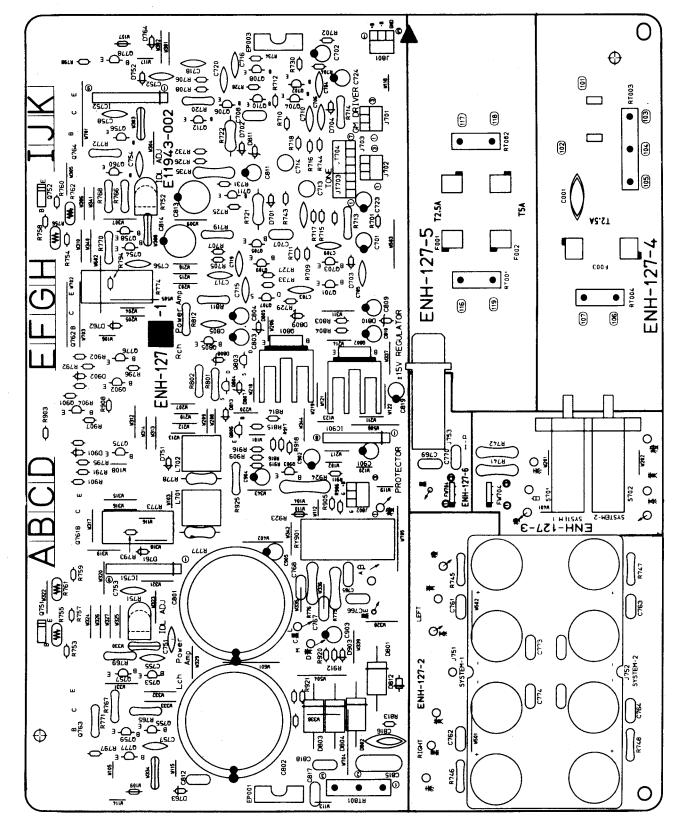
The Marks for De	signated Areas
AAustralia	BSthe U.K.
GWest Germany	UOther Countries
E , EFContinental Europe	No mark Indicates all areas.

#### ⚠: Safety Parts

# **Printed Circuit Board Ass'y and Parts List**

■ ENH-127 ☐ Main Amplifier PC Board Ass'y

Note: ENH-127  $\square$  varies according to the areas employed. See note (1) when placing an order.



#### Note (1)

PC Board Ass'y	Designated Areas
ENH-127 E	Other Countries
ENH-127 F	Australia, Continental Europe
ENH-127 G	West Germany
ENH-127 H BS	the U.K.

Ť		ors		LPTION AREA
Δ	ITEM	PART NUMBER	DESCR	I P T I O N AREA
				MAKER
_		2SC2240(A,B)	SILICON	TOSHIBA
	9701	25C224O(A/B)	SILICON	TOSHIBA
	Q702	25C224O(A/B)	SILICON	TOSHIBA
	Q703		SILICON	TOSHIBA
	9704	2SC2240(A,B) 2SA970(GR,BL)	SILICON	TOSHIBA
		25A970(GR/BL)	SILICON	TOSHIBA
		2SA970(GR/BL)	SILICON	TOSHIBA
	9707	2SA970(GR/BL)	SILICON	TOSHIBA
			SILICON	ROHM
	Q709		SILICON	ROHM
		2SA933LN(R,S)	SILICON	TOSHIBA
	Q711		SILICON	TOSHIBA
	9712		SILICON	MATSUSHITA
		2SD636(Q,R)		MATSUSHITA
	Q752		SILICON	TOSHIBA
		2SC2240(BL)	SILICON	
	Q754		SILICON	TOSHIBA
	Q755	2\$A970(BL)	SILICON	TOSHIBA
	Q756		SILICON	TOSHIBA
	Q757		SILICON	TOSHIBA
	Q758		SILICON	TOSHIBA
	Q759		SILICON	TOSHIBA
	Q760		SILICON	TOSHIBA
	Q761	2SD2155LB(R,0)	SILICON	TOSHIBA
	Q762		SILICON	TOSHIBA
	Q763		SILICON	TOSHIBA
	Q764		SILICON	TOSHIBA
	9775		SILICON	ROHM
	Q776		SILICON	ронм
	Q777		SILICON	ROHM
	Q778		SILICON	ROHM
••••	Q801		SILICON	ROHM
	Q802	2SB1187(F,G)	SILICON	ROHM
	Q803	25K246(GR)	F.E.T	TOSHIBA
	Q804		F.E.T	TOSHIBA
		2SA933S(R,S)	SILICON	ROHM
		25C3068	SILICON	SANYO
	9901	2\$C2389(\$,E)	SILICON	конм
	9902	2SC2389(S/E)	SILICON	ROHM
	Q903		SILICON	MATSUSHITA
	1 :		i	1

MAKER  1.C751 VC5022(X,Y) 1.C. 2088	
1C752 VC5022(X,Y) 1.C. RONN	
IC901 UPC1237HA I.C. RYOUSAN	ļ

Die	odes				, ,
Δ	ITEM	PART NUMBER	DESCR	IPTION	AREA
				MAKER	
	D701	188133	SILICON	ROHM	
l	0702	188133	SILICON	ROHM	
1	D703	188133	SILICON	ROHM	
1	D704	188133	SILICON	ROHM	1 1
ł	0751	188133	SILICON	ROHM	
	D752	188133	SILICON	ROHM	1
1	D761	188133	SILICON	ROHM	1 1
1	0762	188133	SILICON	ROHM	1 1
1	D763	188133	SILICON	ROHM	i I
1	0764	188133	SILICON	ROHM	
	0801	30D2FC	SILICON	NIHONINTER	E
1	D801	30D2FC	SILICON	NIHONINTER	F
l	D801	30DF2SFC	SILICON	NIHONINTER	G
1	D801	30D2FC	SILICON	NIHONINTER	HBS
	0802	30D2FC	SILICON	NIHONINTER	E

Die	odes				
Δ	ITEM	PART NUMBER	DESCR	1 P T 1 O N	AREA
				MAKER	
	D802 D802 D802 D803 D803 D803 D803 D804 D804 D804 D805 D807 D805 D807 D811 D811 D811 D811 D901	3002FC 3002FC 3002FC 3002FC 3002FC 3002FC MT215JC MT213JC MT213JC MT218JC MT218JC MT218JC MT218JC SMT218JC MT218JC MT218JC MT218JC SMT218JC MT218JC SMT218JC SMT218JC SMT218JC SMT218JC SMT218JC SMT218JC SMT218JC SMT218JC	SILICON ZENER ZENER ZENER ZENER ZENER ZENER SILICON SILICON SILICON SILICON SILICON SILICON SILICON SILICON	NIHONINTER ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROH	F G HBS E F G HBS E F G HBS F

L	D903	155133	BILICON		FETV DAT	RTS
			Δ	S A	FETY PAR	(13
<u> </u>		orc				
<u>∪a</u>	pacit	UIS				
						A D IS A
Δ	ITEM	PART NUMBER	DESC	RII	TION	AREA
$\vdash$	C001	QCZ9019-472	4700PF		CERAMIC	F
	C001	QCZ9019-472	4700PF		CERAMIC	Ġ
1	C001	QCZ9019-472BS	4700PF		CERAMIC	нвѕ
ļ	C701	EETB2AM-106E	10MF		ELECTRO	
1	C702	EETB2AM-106E			ELECTRO	
	C703	QCS21HJ-101			CERAMIC	
1	C704	QCS21HJ-101	100PF	50V	CERAMIC	1
Ì	C707	QFN81HK-332	3300PF	50V	MYLAR	
1	C708	QFN81HK-332	3300PF	50V	MYLAR	l
1	C709	QCS21HJ-100	10PF	sov	CERAMIC	
	C710	QCS21HJ-100	10PF	50V	CERAMIC	
1	C713	QEN51HM-475	4.7MF		NON POLE	
1	C714	QEN51HM-475	4.7MF		NON POLE	
	7715	QCS21HJ-330	33PF		CERAMIC	ŀ
	C716	QCS21HJ-330	33PF		CERAMIC	
1	C717	QCS21HJ-330	33PF	50V	CERAMIC	1
1	C718	QCS21HJ-330	33PF		CERAMIC	1
1	C719	QCS21HJ-220	22PF		CERAMIC	t
1	C720	QCS21HJ-220	22PF		CERAMIC	1
	C723	QETB1CM-476	47MF	16V	ELECTRO	
1	C724	QETB1CM-476	47MF	16V	ELECTRO	l
1	C751	QCF21HP-103	0.01MF		CERAMIC	İ
1	C752	QCF21HP-103	0.01MF	50V	CERAMIC	1
	C753	QCF21HP-103	0.01MF	50V	CERAMIC	
ļ	C754	QCF21HP-103	0.01MF	50V	CERAMIC	
1	C755	QCS32HJ-680	68PF	500V	CERAMIC	
	C756	QC\$32HJ-680	68PF	500V 500V	CERAMIC	1
1	C757	QCS32HJ-680	68PF 68PF	500V	CERAMIC	1
1	C758		1	500	MYLAR	G
	C761	QFN81HK-223	0.022MF	50V	MYLAR	G
1	C762	QFN81HK-223	0.022MF	SOV	MYLAR	G
1	C763	QFN81HK-223 QFN81HK-223	0.022MF	50V	MYLAR	G
i	C764		0.1MF	50V	MYLAR	١ ٠
1	C765		0.1MF	50V	MYLAR	1
1	C767	QFN81HK-104	0.1MF	50V	MYLAR	1
1	C768		0.1MF	50V		1
	C769	QCF21HP-222	2200PF	50V	MYLAR CERAMIC	G
1	C770		2200PF	50V	CERAMIC	G
	C771		0.022MF	50V	MYLAR	G
	C772		0.022MF	50V	MYLAR	G
	C801		10000MF	63V	ELECTRO	1
1	C802		10000MF	63V	ELECTRO	1
ļ	C803		47MF	50V	ELECTRO	
	C804		47MF	50V	ELECTRO	
$\Box$	C805		100PF	50.V	CERAMIC	1
	C809		47MF	25V	ELECTRO	1
1	C816		47MF	250	ELECTRO	
ı	C811		10MF	25V	ELECTRO	1
	C812		4700Pf	1000	MYLAR	G
	C813		100MF	63V	ELECTRO	1
	C814		100MF	63V	ELECTRO	1
	C815		0.1MF	250V	M.MYLAR	
	C816	QCE22HP-103A	0.01MF	500V	CERAMIC	1_
1	C817		4700PF	100V	MYLAR	g
1	C818		0.1MF	100V	MYLAR	G
1	C819		1MF	50V	ELECTRO	1
	C901		220MF	10V	ELECTRO	
1	C902		22MF	16V	ELECTRO	i
J	C903		4.7MF	50V	ELECTRO	
1	C904		22MF 1MF	50V 50V	ELECTRO ELECTRO	
1	C905	QET81HM-105	THE STATE OF	700		l
					A E E TW	

A : SAFETY PARTS

A	<u>Re</u>	<u>sisto</u>	rs				,
R702 GR0167J-222 2.2K 1/5W CARBON R704 GR0167J-104 100K 1/5W CARBON R705 GR0167J-202 2K 1/5W CARBON R706 GR0167J-202 2K 1/5W CARBON R706 GR0167J-202 2K 1/5W CARBON R707 GR0167J-202 2K 1/5W CARBON R708 GR0167J-202 2K 1/5W CARBON R708 GR0167J-202 2K 1/5W CARBON R708 GR0167J-203 10K 1/5W CARBON R708 GR0167J-103 10K 1/5W CARBON R710 GR0167J-103 10K 1/5W CARBON R711 GR0167J-101 100 1/5W CARBON R711 GR0167J-101 100 1/5W CARBON R711 GR0167J-101 100 1/5W CARBON R713 GR0167J-103 16K 1/5W CARBON R714 GR0167J-103 16K 1/5W CARBON R714 GR0167J-103 16K 1/5W CARBON R714 GR0167J-103 16K 1/5W CARBON R714 GR0167J-103 16K 1/5W CARBON R714 GR0167J-103 16K 1/5W CARBON R714 GR0167J-103 16K 1/5W CARBON R716 GR0167J-103 16K 1/5W CARBON R716 GR0167J-103 16K 1/5W CARBON R716 GR0167J-103 16K 1/5W CARBON R716 GR0167J-103 16K 1/5W CARBON R716 GR0167J-103 16K 1/5W CARBON R716 GR0167J-103 16K 1/5W CARBON R716 GR0167J-823 82K 1/5W CARBON R718 GR0167J-823 82K 1/5W CARBON R718 GR0167J-823 82K 1/5W CARBON R719 GR014CJ-121S 120 1/5W JNF.CARBON R720 GR014CJ-121S 120 1/5W JNF.CARBON R720 GR014CJ-121S 120 1/5W JNF.CARBON R720 GR014CJ-1351 120 1/5W JNF.CARBON R725 GR0167J-391 390 1/5W CARBON R725 GR0167J-391 390 1/5W CARBON R727 GR0167J-391 390 1/5W CARBON R728 GR0167J-391 390 1/5W CARBON R731 GR0167J-391 390 1/5W CARBON R733 GR0167J-391 390 1/5W CARBON R733 GR0167J-391 390 1/5W CARBON R733 GR0167J-391 390 1/5W CARBON R733 GR0167J-391 390 1/5W CARBON R733 GR0167J-391 390 1/5W CARBON R733 GR0167J-391 390 1/5W CARBON R734 GR0167J-391 390 1/5W CARBON R735 GR0167J-391 390 1/5W CARBON R734 GR0167J-391 390 1/5W CARBON R735 GR0167J-391 390 1/5W CARBON R735 GR0167J-391 390 1/5W CARBON R735 GR0167J-391 390 1/5W CARBON R735 GR0167J-391 390 1/5W CARBON R736 GR0167J-391 390 1/5W CARBON R736 GR0167J-101 100 1/5W CARBON R736 GR0167J-391 390 1/5W CARBON R736 GR0167J-391	Æ	ІТЕМ	PART NUMBER	DESC	R I	PTION	AREA
R703 QR0167J-104 100K 1/5W CARBON R704 QR0167J-202 ZK 1/5W CARBON R705 QR0167J-202 ZK 1/5W CARBON R707 QR0167J-202 ZK 1/5W CARBON R707 QR0167J-202 ZK 1/5W CARBON R707 QR0167J-202 ZK 1/5W CARBON R708 QR0167J-103 10K 1/5W CARBON R709 QR0167J-103 10K 1/5W CARBON R709 QR0167J-103 10K 1/5W CARBON R709 QR0167J-101 100 1/5W CARBON R711 QR0167J-101 100 1/5W CARBON R712 QR0167J-101 100 1/5W CARBON R713 QR0167J-101 100 1/5W CARBON R713 QR0167J-103 10K 1/5W CARBON R713 QR0167J-103 10K 1/5W CARBON R714 QR0167J-103 10K 1/5W CARBON R715 QR0167J-103 16K 1/5W CARBON R715 QR0167J-103 16K 1/5W CARBON R716 QR0167J-103 16K 1/5W CARBON R716 QR0167J-103 16K 1/5W CARBON R717 QR0167J-103 16K 1/5W CARBON R718 QR0167J-103 16K 1/5W CARBON R718 QR0167J-103 16K 1/5W CARBON R718 QR0167J-103 120 1/5W JNF, CARBON R718 QR0167J-823 B2K 1/5W CARBON R718 QR0167J-823 B2K 1/5W CARBON R718 QR0167J-823 B2K 1/5W CARBON R720 QR014CJ-121S 120 1/5W JNF, CARBON R720 QR014CJ-121S 120 1/5W JNF, CARBON R720 QR014CJ-121S 120 1/5W JNF, CARBON R720 QR014CJ-121S 120 1/5W JNF, CARBON R724 QR0167J-391 390 1/5W CARBON R724 QR0167J-391 390 1/5W CARBON R724 QR0167J-333 35K 1/5W CARBON R733 QR0167J-333 35K 1/5W CARBON R731 QR0167J-333 35K 1/5W CARBON R731 QR0167J-333 35K 1/5W CARBON R733 QR0167J-333 35K 1/5W CARBON R733 QR0167J-331 390 1/5W CARBON R733 QR0167J-331 390 1/5W CARBON R733 QR0167J-331 390 1/5W CARBON R734 QR0167J-331 390 1/5W CARBON R735 QR0167J-331 390 1/5W CARBON R735 QR0167J-331 390 1/5W CARBON R736 QR0167J-331 390 1/5W CARBON R736 QR0167J-331 390 1/5W CARBON R7374 QR0167J-152 1.5K 1/5W CARBON R7374 QR0167J-152 1.5K 1/5W CARBON R7374 QR0167J-101 100 1/5W CARBON R735 QR0167J-101 100 1/5W CARBON R735 QR0167J-101 100 1/5W CARBON R735 QR0167J-101 100 1/5W CARBON R735 QR0167J-101 100 1/5W CARBON R736 QR0167J-101 100 1/5W CARBON R736 QR0167J-101 100 1/5W CARBON R7375 QR0167J-101 100 1/5W CARBON R7376 QR0167J-101 100 1/5W CARBON R7376 QR0167J-101 100 1/5W CARBON R7376 QR0167J-101 100 1/5W CARBON R7376 QR0167J-101 100 1/5W CARBON R7379 QR0167J-101 100 1/5W CARB						F.	
R704					1		
R705   RR0167J-202   ZK							
R706   R0167J-202   ZK		1					
R708 QRD167J-202 ZK 1/6W CARBON R710 QRD167J-103 10K 1/6W CARBON R711 QRD167J-101 10K 1/6W CARBON R711 QRD167J-101 10O 1/6W CARBON R712 QRD167J-101 10O 1/6W CARBON R712 QRD167J-101 10O 1/6W CARBON R713 QRD16CJ-911S 910 1/4W JMF.CARBON R715 QRD16CJ-911S 910 1/4W JMF.CARBON R715 QRD16CJ-913 316K 1/6W CARBON R715 QRD16CJ-913 32K 1/6W CARBON R716 QRD16CJ-163 16K 1/6W CARBON R717 QRD16CJ-923 82K 1/6W CARBON R718 QRD16CJ-823 82K 1/2W JMF.CARBON R726 QRD14CJ-121S 12O 1/4W JMF.CARBON R726 QRD14CJ-121S 12O 1/4W JMF.CARBON R726 QRD16CJ-391 390 1/6W CARBON R725 QRD16CJ-391 390 1/6W CARBON R725 QRD16CJ-391 390 1/6W CARBON R727 QRD16CJ-333 33K 1/6W CARBON R727 QRD16CJ-333 33K 1/6W CARBON R737 QRD16CJ-333 33K 1/6W CARBON R737 QRD16CJ-333 33K 1/6W CARBON R732 QRD16CJ-391 390 1/6W CARBON R732 QRD16CJ-391 390 1/6W CARBON R732 QRD16CJ-391 390 1/6W CARBON R733 QRD16CJ-391 390 1/6W CARBON R733 QRD16CJ-391 390 1/6W CARBON R733 QRD16CJ-391 390 1/6W CARBON R733 QRD16CJ-391 390 1/6W CARBON R734 QRD16CJ-331A 330 1W 0.M.FILM AR744 QRD16CJ-331A 330 1W 0.M.FILM AR744 QRD16CJ-331A 330 1W 0.M.FILM AR745 QR200T7-4R7S 4.7 1/4W JMF.CARBON GR753 QRD16CJ-331A 330 1W 0.M.FILM AR745 QR200T7-4R7S 4.7 1/4W JMF.CARBON GR754 QRD16CJ-331A 330 1W 0.M.FILM AR746 QR200T7-4R7S 4.7 1/4W JMF.CARBON GR754 QRD16CJ-331A 330 1W 0.M.FILM AR746 QR200T7-4R7S 4.7 1/4W JMF.CARBON GR754 QRD16CJ-331A 330 1W 0.M.FILM AR746 QR200T7-4R7S 4.7 1/4W JMF.CARBON GR754 QRD16CJ-331A 330 1W 0.M.FILM AR746 QR200T7-4R7S 4.7 1/4W JMF.CARBON GR754 QRD16CJ-331A 330 1W 0.M.FILM AR746 QR200T7-4R7S 4.7 1/4W JMF.CARBON GR754 QRD16CJ-331A 330 1W 0.M.FILM AR746 QR200T7-4R7S 4.7 1/4W JMF.CARBON GR754 QRD16CJ-331A 330 1W 0.M.FILM AR746 QR200T7-4R7S 4.7 1/4W JMF.CARBON GR754 QRD16CJ-331A 330 1W 0.M.FILM AR746 QR200TJ-31D1 100 1/4W CARBON GR754 QRD16CJ-331A 330 1W 0.M.FILM AR756 QRD16CJ-331A 330 1W 0.M.FILM AR756 QRD16CJ-331A 330 1W					•		**
R 700 QRD167J-103 10K 1/6W CARBON R711 QRD167J-101 100 1/6W CARBON R711 QRD167J-101 100 1/6W CARBON R712 QRD167J-101 100 1/6W CARBON R713 QRD167J-101 100 1/6W CARBON R713 QRD167J-103 910 1/4W JUNF.CARBON R715 QRD167J-163 16K 1/6W CARBON R715 QRD167J-163 16K 1/6W CARBON R715 QRD167J-163 16K 1/6W CARBON R717 QRD167J-163 16K 1/6W CARBON R717 QRD167J-163 16K 1/6W CARBON R717 QRD167J-163 16K 1/6W CARBON R717 QRD167J-163 16K 1/6W CARBON R717 QRD167J-163 16K 1/6W CARBON R717 QRD167J-163 16K 1/6W CARBON R718 QRD167J-121S 120 1/4W JUNF.CARBON A718 QRD167J-21S 120 1/4W JUNF.CARBON A719 QRD16CJ-121S 120 1/4W JUNF.CARBON R718 QRD167J-391 390 1/6W CARBON R725 QRD167J-391 390 1/6W CARBON R726 QRD167J-391 390 1/6W CARBON R726 QRD167J-333 33K 1/6W CARBON R727 QRD167J-333 33K 1/6W CARBON R730 QRD167J-333 33K 1/6W CARBON R730 QRD167J-333 33K 1/6W CARBON R730 QRD167J-333 33K 1/6W CARBON R731 QRD167J-391 390 1/6W CARBON R732 QRD167J-391 390 1/6W CARBON R733 QRD167J-391 1.5K 1/6W CARBON R733 QRD167J-152 1.5K 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON							
R710   R711   R716   JON   1/6W   CARBON   R712   R711   R716   JON   JON   JON   L76W   CARBON   R712   R716   R711   R716   GRD167J-101   JON   JO				3	1		
R711 QRD167J-101 100 1/6W CARBON R712 QRD167J-101 100 1/6W CARBON R714 QRD16CJ-911S 910 1/4W JNF.CARBON R714 QRD16CJ-911S 910 1/4W JNF.CARBON R715 QRD167J-163 16K 1/6W CARBON R715 QRD167J-163 16K 1/6W CARBON R717 QRD167J-163 16K 1/6W CARBON R717 QRD167J-123 82K 1/6W CARBON R718 QRD167J-823 82K 1/6W CARBON R718 QRD16CJ-121S 120 1/4W JNF.CARBON A R721 QRD125J-822 8.2K 1/2W JNF.CARBON R726 QRD167J-391 390 1/6W CARBON R726 QRD167J-391 390 1/6W CARBON R726 QRD167J-391 390 1/6W CARBON R727 QRD167J-152 1.5K 1/6W CARBON R729 QRD167J-333 33K 1/6W CARBON R730 QRD167J-333 33K 1/6W CARBON R731 QRD167J-333 33K 1/6W CARBON R731 QRD167J-391 390 1/6W CARBON R732 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-351 350 1/6W CARBON R735 QRD167J-351 350 1/6W CARBON GRD167J-351 350 1/6W CARBON HBS GRD167J-351 350 1/6W CARBON HBS GRD167J-351 100 1/6W CARBON HBS GRD167J-351 100 1/6W CARBON HBS GRD167J-351 100 1				+		1	i I
R712   QRD167J-101   100							
A R713 QRD14CJ-911S 910 1/4W JNF.CARBON R714 QRD14CJ-911S 910 1/4W JNF.CARBON R715 QRD167J-163 16K 1/6W CARBON R715 QRD167J-163 16K 1/6W CARBON R717 QRD167J-163 16K 1/6W CARBON R717 QRD167J-823 82K 1/6W CARBON R718 QRD167J-823 82K 1/6W CARBON R718 QRD167J-823 82K 1/6W CARBON R719 QRD14CJ-121S 120 1/4W JNF.CARBON A R720 QRD14CJ-121S 120 1/4W JNF.CARBON A R720 QRD14CJ-121S 120 1/4W JNF.CARBON R718 QRD167J-822 8.2K 1/2W JNF.CARBON R726 QRD167J-391 390 1/6W CARBON R726 QRD167J-391 390 1/6W CARBON R727 QRD167J-353 33K 1/6W CARBON R728 QRD167J-353 33K 1/6W CARBON R730 QRD167J-353 33K 1/6W CARBON R730 QRD167J-351 390 1/6W CARBON R731 QRD167J-391 390 1/6W CARBON R733 QRD167J-351 1.5K 1/6W CARBON R733 QRD167J-351 390 1/6W CARBON R733 QRD167J-351 390 1/6W CARBON R733 QRD167J-351 1.5K 1/6W CARBON R734 QRD167J-351 390 1/6W CARBON R735 QRD167J-351 390 1/6W CARBON R735 QRD167J-351 390 1/6W CARBON R736 QRD167J-351 390 1/6W CARBON R736 QRD167J-351 390 1/6W CARBON R736 QRD167J-351 390 1/6W CARBON R736 QRD167J-351 390 1/6W CARBON R736 QRD167J-351 390 1/6W CARBON R736 QRD167J-152 1.5K 1/6W CARBON R736 QRD167J-152 1.5K 1/6W CARBON R736 QRD167J-152 1.5K 1/6W CARBON R736 QRD167J-152 1.5K 1/6W CARBON R736 QRD167J-152 1.5K 1/6W CARBON R736 QRD167J-152 1.5K 1/6W CARBON R736 QRD167J-152 1.5K 1/6W CARBON R736 QRD167J-152 1.5K 1/6W CARBON R736 QRD167J-152 1.5K 1/6W CARBON R736 QRD167J-104 100K 1/6W CARBON R736 QRD167J-104 100K 1/6W CARBON GRD167J-104 100K 1/6W CARBON GRD167J-105 100 1/6W CARBON GRD167J-101 100 1/6W							
A R714 QRD14CJ-911S 910 1/4W JNF.CARBON R715 QRD167J-163 16K 1/6W CARBON R715 QRD167J-163 16K 1/6W CARBON R717 QRD167J-823 82K 1/6W CARBON R718 QRD167J-823 82K 1/6W CARBON R718 QRD167J-823 82K 1/6W CARBON R719 QRD14CJ-121S 120 1/4W JNF.CARBON A720 QRD14CJ-121S 120 1/4W JNF.CARBON A720 QRD14CJ-121S 120 1/4W JNF.CARBON A720 QRD14CJ-121S 120 1/6W JNF.CARBON A720 QRD14CJ-121S 120 1/6W JNF.CARBON A720 QRD167J-391 390 1/6W CARBON R722 QRD125J-822 8.2K 1/2W JNF.CARBON R725 QRD167J-391 390 1/6W CARBON R726 QRD167J-391 390 1/6W CARBON R727 QRD167J-353 33K 1/6W CARBON R728 QRD167J-353 33K 1/6W CARBON R731 QRD167J-353 33K 1/6W CARBON R731 QRD167J-351 390 1/6W CARBON R732 QRD167J-351 1.5K 1/6W CARBON R733 QRD167J-152 1.5K 1/6W CARBON R733 QRD167J-152 1.5K 1/6W CARBON R733 QRD167J-152 1.5K 1/6W CARBON R733 QRD167J-391 390 1/6W CARBON R733 QRD167J-351 1.5K 1/6W CARBON R734 QRD167J-351 1.5K 1/6W CARBON R734 QRD167J-351 1.5K 1/6W CARBON R734 QRD167J-351 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R735 QRD167J-152 1.5K 1/6W CARBON R735 QRD167J-104 100K 1/6W CARBON GR744 QRD167J-104 100K 1/6W CARBON GR747 QRZ0077-4R75 4.7 1/4W JNF.CARBON GR747 QRZ0077-4R75 4.7 1/4W JNF.CARBON GR755 QRD167J-201 100 1/6W CARBON GR755 QRD167J-391 390 1/6W CARBON GR755 QRD167J-391 390 1/6W CARBON GR755 QRD167J-391 390 1/6W CARBON GR756 QRD167J-391 390 1/6W CARBON GR756 QRD167J-391 390 1/6W CARBON GR756 QRD167J-391 390 1/6W CARBON GR756 QRD167J-391 390 1/6W CARBON GR756 QRD167J-391 390 1/6W CARBON GR756 QRD167J-391 390 1/6W CARBON GR756 QRD167J-471 470 1/6W CARBON GR756 QRD167J-471 470 1/6W CARBON GR756 QRD167J-391 390 1/6W CARBON GR756 QRD16	Δ				1/4W	UNF. CARBON	
R716 QR0167J-163 16K 1/6W CARBON R717 QR0167J-823 82K 1/6W CARBON R718 QR0167J-823 82K 1/6W CARBON R719 QR014CJ-121S 120 1/4W UNF.CARBON A R720 QR014CJ-121S 120 1/4W UNF.CARBON A R720 QR014CJ-121S 120 1/4W UNF.CARBON A R720 QR014CJ-121S 120 1/4W UNF.CARBON A R720 QR014CJ-121S 120 1/4W UNF.CARBON A R720 QR014CJ-391 390 1/6W CARBON R726 QR0167J-391 390 1/6W CARBON R728 QR0167J-333 33K 1/6W CARBON R729 QR0167J-333 33K 1/6W CARBON R730 QR0167J-331 390 1/6W CARBON R732 QR0167J-391 390 1/6W CARBON R732 QR0167J-391 390 1/6W CARBON R731 QR0167J-391 390 1/6W CARBON R733 QR0167J-391 390 1/6W CARBON R733 QR0167J-392 1.5K 1/6W CARBON R735 QR0167J-392 1.5K 1/6W CARBON R735 QR0167J-392 1.5K 1/6W CARBON R736 QR0167J-392 1.5K 1/6W CARBON R736 QR0167J-392 1.5K 1/6W CARBON R736 QR0167J-392 1.5K 1/6W CARBON R736 QR0167J-392 1.5K 1/6W CARBON R736 QR0167J-392 1.5K 1/6W CARBON R736 QR0167J-392 1.5K 1/6W CARBON R736 QR0167J-392 1.5K 1/6W CARBON R736 QR0167J-104 100K 1/6W CARBON QM.FILM R746 QR001CJ-331A 330 1W 0.M.FILM R746 QR0167J-104 100K 1/6W CARBON GR746 QR00077-4R75 4.7 1/4W UNF.CARBON GR746 QR20077-4R75 4.7 1/4W UNF.CARBON GR756 QR0167J-101 100 1/6W CARBON R756 QR0167J-101 100 1/6W CARBON GR756 QR0167J-391 390 1/6W CARBON GR756 QR0167J-393 33 1/2W UNF.CARBON GR757 QR0167J-393 33 1/2W UNF.CARBON GR757 QR0167J-393 33 1/2W UNF.CARBON GR757 QR0167J-333 33 1/2W UNF.CAR	Δ						
R717   GR0167J-823   82K   1/6W   CARBON   R719   GR014CJ-121S   120   1/4W   UNF.CARBON   A R720   GR014CJ-121S   120   1/4W   UNF.CARBON   A R721   GR0125J-822   B.2K   1/2W   UNF.CARBON   A R721   GR0125J-822   B.2K   1/2W   UNF.CARBON   A R722   GR0147J-391   390   1/6W   CARBON   A R726   GR0167J-391   390   1/6W   CARBON   A R728   GR0167J-391   390   1/6W   CARBON   A R728   GR0167J-333   35K   1/6W   CARBON   A R728   GR0167J-333   33K   1/6W   CARBON   A R730   GR0167J-333   33K   1/6W   CARBON   A R730   GR0167J-333   33K   1/6W   CARBON   A R731   GR0167J-391   390   1/6W   CARBON   A R730   GR0167J-391   390   1/6W   CARBON   A R731   GR0167J-152   1.5K   1/6W   CARBON   A R733   GR0167J-152   1.5K   1/6W   CARBON   A R735   GR0167J-152   1.5K   1/6W   CARBON   A R736   GR0167J-152   1.5K   1/6W   CARBON   A R736   GR0167J-104   100K   1/6W   CARBON   A R746   GR0107J-391A   330   1W   0.M.FILM   M R742   GR01067J-104   100K   1/6W   CARBON   A R745   GR01067J-104   100K   1/6W   CARBON   A R746   GR01067J-104   100K   1/6W   CARBON   GR746   GR01067J-104   100K   1/6W   CARBON   GR746   GR01067J-101   100K   1/6W   CARBON   GR746   GR01067J-101   100K   1/6W   CARBON   GR757   GR01067J-101   100   1/6W   CARBON   GR758   GR01067J-101   100   1/6W   CARBON   GR758   GR01067J-471   470   1/6W   CARBON   GR759   GR01067J-333   33		R715	QRD167J-163				
R718   GR0167J-823   82K					1	(	
A R719 QRD14CJ-121S 120 1//W UNF.CARBON A R720 QRD14CJ-121S 120 1//W UNF.CARBON A R721 QRD125J-822 8.2K 1/2W UNF.CARBON A R721 QRD125J-822 8.2K 1/2W UNF.CARBON R726 QRD167J-391 390 1/6W CARBON R726 QRD167J-391 390 1/6W CARBON R726 QRD167J-391 390 1/6W CARBON R727 QRD167J-152 1.5K 1/6W CARBON R727 QRD167J-333 33K 1/6W CARBON R730 QRD167J-333 33K 1/6W CARBON R730 QRD167J-333 33K 1/6W CARBON R731 QRD167J-391 390 1/6W CARBON R731 QRD167J-391 390 1/6W CARBON R732 QRD167J-391 390 1/6W CARBON R732 QRD167J-391 390 1/6W CARBON R732 QRD167J-391 390 1/6W CARBON R734 QRD167J-391 390 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R735 QRD167J-152 1.5K 1/6W CARBON QRM-FILM QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON QRM-FILM QRD167J-104 100K 1/6W CARBON QRM-FILM QRD167J-104 100K 1/6W CARBON QRD167J-104 100K 1/6W CARBON QRD167J-104 100K 1/6W CARBON QRD167J-104 100K 1/6W CARBON QRD167J-104 100K 1/6W CARBON QRD167J-104 100K 1/6W CARBON QRD167J-105 QRD167J-105 QRD167J-105 QRD167J-107 QRD167J-207 QRD1							
A R720 QRD146J-121S 120 1//W UNF.CARBON A R721 QRD125J-822 8.2K 1/2W UNF.CARBON R726 QRD167J-391 390 1/6W CARBON R726 QRD167J-391 390 1/6W CARBON R726 QRD167J-152 1.5K 1/6W CARBON R726 QRD167J-152 1.5K 1/6W CARBON R727 QRD167J-152 1.5K 1/6W CARBON R728 QRD167J-333 33K 1/6W CARBON R729 QRD167J-333 33K 1/6W CARBON R730 QRD167J-391 390 1/6W CARBON R731 QRD167J-391 390 1/6W CARBON R732 QRD167J-391 390 1/6W CARBON R732 QRD167J-391 390 1/6W CARBON R732 QRD167J-391 390 1/6W CARBON R732 QRD167J-391 390 1/6W CARBON R733 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R735 QRD167J-391 3.9K 1W 0.M.FILM QRD167J-162 1.5K 1/6W CARBON R734 QRD167J-104 100K 1/6W CARBON QRT44 QRD167J-104 100K 1/6W CARBON R744 QRD167J-104 100K 1/6W CARBON QRT44 QRD167J-104 100K 1/6W CARBON GRT44 QRD167J-104 100K 1/6W CARBON GRT44 QRD167J-104 100K 1/6W CARBON GRT45 QRD0077-4R75 4.7 1/4W UNF.CARBON GRT47 QRD0077-4R75 4.7 1/4W UNF.CARBON GRT57 QRD167J-101 100 1/6W CARBON GRT58 QRD0077-4R75 4.7 1/4W UNF.CARBON GRT59 QRD167J-101 100 1/6W CARBON GRT59 QRD167J-391 390 1/6W CARBON GRT59 QRD167J-3330 33 1/2W UNF.CARBON GRT59 QRD167J-3330 33 1/2W UNF.CARBON GRT59 QRD167J-3330 33 1/2W UNF.CARBON GRT59 QRD16	<b>A</b>						
A R721 QRD125J-822 B.2K 1/2W UNF.CARBON R725 QRD167J-391 390 1/6W CARBON R726 QRD167J-391 390 1/6W CARBON R727 QRD167J-152 1.5K 1/6W CARBON R727 QRD167J-152 1.5K 1/6W CARBON R727 QRD167J-152 1.5K 1/6W CARBON R729 QRD167J-333 33K 1/6W CARBON R730 QRD167J-333 33K 1/6W CARBON R730 QRD167J-333 33K 1/6W CARBON R731 QRD167J-391 390 1/6W CARBON R732 QRD167J-391 390 1/6W CARBON R732 QRD167J-152 1.5K 1/6W CARBON R733 QRD167J-152 1.5K 1/6W CARBON R735 QRD167J-152 1.5K 1/6W CARBON R735 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON R735 QRD167J-152 1.5K 1/6W CARBON QM.FILM DM.FILM QM.FILM QM							
A R722 QRD167J-391 390 1/6W CARBON R725 QRD167J-391 390 1/6W CARBON R726 QRD167J-152 1.5K 1/6W CARBON R727 QRD167J-152 1.5K 1/6W CARBON R727 QRD167J-152 1.5K 1/6W CARBON R729 QRD167J-333 33K 1/6W CARBON R730 QRD167J-333 33K 1/6W CARBON R730 QRD167J-333 33K 1/6W CARBON R731 QRD167J-391 390 1/6W CARBON R732 QRD167J-391 390 1/6W CARBON R732 QRD167J-352 1.5K 1/6W CARBON R733 QRD167J-152 1.5K 1/6W CARBON R734 QRD167J-152 1.5K 1/6W CARBON Q.M.FILM QRD167J-104 100K 1/6W CARBON Q.M.FILM QRD167J-104 100K 1/6W CARBON R742 QRD167J-104 100K 1/6W CARBON Q.M.FILM QRD167J-104 100K 1/6W CARBON QRD167J-104 100K 1/6W CARBON QRD167J-104 100K 1/6W CARBON QRD167J-104 QRD167J-104 100K 1/6W CARBON QRD167J-104	Δ			8.2K		UNF. CARBON	
R726   RR0167J-391   S90							
R727   QRD167J-152   1.5K   1/6W   CARBON	1						
R728   QRD167J-152	1			1			
R729   R730   R731   R730   R731   R730   R731   R732   R731   R733   R731   R733   R731   R733   R731   R733   R731   R733   R734   R735   R731				1 5K			
R730 QRD167J-333   33K							
R731   RRD167J-391   390		1		1	1		
R732   QRD167J-391   390   1/6W   CARBON   R733   QRD167J-152   1.5K   1/6W   CARBON   CARBON   R734   QRD167J-152   1.5K   1/6W   CARBON   CARBON   A R735   QRG01CJ-392A   3.9K   1W   0.M.FILM	ł		QRD167J-391		1	CARBON	
R734 QR0167J-152			QRD167J-391	390			ļ
△         R7351         QRG01CJ-331A         3.9K         1W         0.M.FILM           △         R741         QRG01CJ-331A         330         1W         0.M.FILM           △         R742         QRG01CJ-331A         330         1W         0.M.FILM           A         R743         QRD167J-104         100K         1/6W         CARBON           A         R746         QRZ0077-4R75         4.7         1/4W         UNF. CARBON         G           A         R748         QRZ0077-4R75         4.7         1/4W         UNF. CARBON         G           R751         QVPE601-501         500         0.15WVARIABLE         0.15WVARIABLE         0.15WVARIABLE         0.15WVARIABLE         0.15WVARIABLE         0.15WVARIABLE         0.15WVARIABLE         0.16W         CARBON         0.15WVARIABLE         0.16W         CARBON         0.16W         CARBON         0.16W         CARBON         0.16W         CARBON         0.16						4	1 1
A         R741         QRG01CJ-331A         330         1W         0.M.FILM           A         R742         QRD167J-104         100K         1/6W         CARBON           R744         QRD167J-104         100K         1/6W         CARBON           A         R744         QRD167J-104         100K         1/6W         CARBON           A         R745         QRZ0077-4R7S         4.7         1/4W         UNF.CARBON         G           A         R747         QRZ0077-4R7S         4.7         1/4W         UNF.CARBON         G           A         R748         QRZ0077-4R7S         4.7         1/4W         UNF.CARBON         G           R753         QRD601-501         500         0.15WVARIABLE         G         R752         QVPE601-501         500         0.15WVARIABLE         G         R753         QRD167J-101         100         1/6W         CARBON         ARBON         R755         QRD167J-101         100         1/6W         CARBON         ARBON         R755         QRD167J-101         100         1/6W         CARBON         AR55         QRD167J-271         470         1/6W         CARBON         AR55         QRD167J-2391         390         1/6W         CARBON	١.				1	i .	
★   R742	14						
R743 QRD167J-104 100K 1/6W CARBON 1/6W CARBON 1/6W CARBON 1/6W CARBON 1/6W CARBON GR745 QRZ0077-4R7S 4.7 1/4W UNF.CARBON GR747 QRZ0077-4R7S 4.7 1/4W UNF.CARBON GR747 QRZ0077-4R7S 4.7 1/4W UNF.CARBON GR747 QRZ0077-4R7S 4.7 1/4W UNF.CARBON GR747 QRZ0077-4R7S 4.7 1/4W UNF.CARBON GR751 QWPE601-501 500 0.15WVARIABLE R752 QWPE601-501 500 0.15WVARIABLE R752 QRPE601-501 100 1/6W CARBON R753 QRD167J-101 100 1/6W CARBON R754 QRD167J-101 100 1/6W CARBON R755 QRD167J-101 100 1/6W CARBON R756 ERT-DZWFL351S 350 1/4W THERMISTOR R756 QRD167J-471 470 1/6W CARBON R759 QRD167J-471 470 1/6W CARBON R759 QRD167J-391 390 1/6W CARBON R759 QRD167J-391 390 1/6W CARBON R759 QRD167J-391 390 1/6W CARBON R761 ERT-DZWHL202S ZK 1/4W THERMISTOR R762 ERT-DZWHL202S ZK 1/4W THERMISTOR R765 QRZ0077-272 2.7K 1/4W FUSIBLE AR766 QRZ0077-272 2.7K 1/4W FUSIBLE AR766 QRZ0077-471 470 1/4W FUSIBLE AR768 QRZ0077-471 470 1/4W FUSIBLE AR768 QRZ0077-100 10 1/4W FUSIBLE AR768 QRZ0077-100 10 1/4W FUSIBLE AR768 QRZ0077-100 10 1/4W FUSIBLE AR771 QRZ0077-100 10 1/4W FUSIBLE AR771 QRZ0077-100 10 1/4W FUSIBLE CARRON GRZ0077-100 10 1/4W FUSIBLE CARRON GRZ0077-100 10 1/4W FUSIBLE QRZ0077-100 10 1/4W FUSIBLE QRZ0077-		1				1	
R744   QRD167J-104   100K	1.443						
△       R745       QR20077-4R7S       4.7       1/4W UNF.CARBON G         △       R746       QR20077-4R7S       4.7       1/4W UNF.CARBON G         △       R747       QR20077-4R7S       4.7       1/4W UNF.CARBON G         △       R748       QR20077-4R7S       4.7       1/4W UNF.CARBON G         R751       QWP6601-501       500       0.15W/ARIABLE         R753       QRD167J-101       100       1/6W CARBON         R754       QRD167J-101       100       1/6W CARBON         R755       ERT-D2WFL351S       350       1/4W THERMISTOR         R756       ERT-D2WFL351S       350       1/4W THERMISTOR         R757       QRD167J-471       470       1/6W CARBON         R758       QRD167J-471       470       1/6W CARBON         R759       QRD167J-391       390       1/6W CARBON         R760       QRD167J-391       390       1/6W CARBON         R761       ERT-D2WHL202S       2K       1/4W THERMISTOR         R762       ERT-D2WHL202S       2K       1/4W THERMISTOR         R762       QR20077-272       2.7K       1/4W FUSIBLE         A       R766       QR20077-272       2.7K       1/4W FUSIBLE <td>1</td> <td></td> <td></td> <td></td> <td>ł</td> <td></td> <td>   </td>	1				ł		
A         R747 GRZ0077-4R7S         4.7         1/4W UNF.CARBON G           A         R748 GRZ0077-4R7S         4.7         1/4W UNF.CARBON G           R751 QVPE601-501         500         0.15WVARIABLE           R752 QVPE601-501         500         0.15WVARIABLE           R753 QRD167J-101         100         1/6W CARBON           R754 QRD167J-101         100         1/6W CARBON           R755 ERT-D2WFL351S         350         1/4W THERMISTOR           R757 QRD167J-471         470         1/6W CARBON           R758 QRD167J-471         470         1/6W CARBON           R759 QRD167J-391         390         1/6W CARBON           R760 QRD167J-391         390         1/6W CARBON           R761 ERT-D2WHL202S         2K         1/4W THERMISTOR           R762 R760 QRD167J-391         390         1/6W CARBON           R763 QRZ0077-272         2.7K         1/4W THERMISTOR           R764 R766 QRZ0077-272         2.7K         1/4W FUSIBLE           A R766 QRZ0077-272         2.7K         1/4W FUSIBLE           A R767 QRZ0077-100         10         1/4W FUSIBLE           A R770 QRZ0077-100         10         1/4W FUSIBLE           A R771 QRZ025J-101         10         1/4W FUSIBLE		R745	QR20077-4R7S		1/4W	UNF_CARBON	
★   R748		1					
R751 QVPE601-501   500   0.15WVARIABLE   R752 QVPE601-501   500   0.15WVARIABLE   R753 QRD167J-101   100   1/6W CARBON   R754 QRD167J-101   100   1/6W CARBON   R755 ERT-D2WFL351S   350   1/4W   THERMISTOR   R756 ERT-D2WFL351S   350   1/4W   THERMISTOR   R757 QRD167J-471   470   1/6W CARBON   R758 QRD167J-471   470   1/6W CARBON   R759 QRD167J-391   390   1/6W CARBON   R760 QRD167J-391   390   1/6W CARBON   R761 ERT-D2WHL202S   2K   1/4W   THERMISTOR   R762 ERT-D2WHL202S   2K   1/4W   THERMISTOR   R765 QRZ0077-272   2.7K   1/4W   FUSIBLE   2.7K   1/4W   FUSIBLE   4.765 QRZ0077-272   2.7K   1/4W   FUSIBLE   4.766 QRZ0077-272   2.7K   1/4W   FUSIBLE   4.766 QRZ0077-471   470   1/4W   FUSIBLE   4.768 QRZ0077-100   10   1/4W   FUSIBLE   4.769 QRZ0077-100   10   1/4W   FUSIBLE   4.770 QRZ0077-100   10   1/4W   FUSIBLE   4.771 QRZ0077-100   4.771 QRZ0077-100							
R752 QVPE601-501 500 0.15WVARIABLE R753 QRD167J-101 100 1/6W CARBON R754 QRD167J-101 100 1/6W CARBON R755 ERT-D2WFL351S 350 1/4W THERMISTOR R756 ERT-D2WFL351S 350 1/4W THERMISTOR R757 QRD167J-471 470 1/6W CARBON R758 QRD167J-471 470 1/6W CARBON R759 QRD167J-391 390 1/6W CARBON R759 QRD167J-391 390 1/6W CARBON R761 ERT-D2WHL202S 2K 1/4W THERMISTOR R762 ERT-D2WHL202S 2K 1/4W THERMISTOR R762 ERT-D2WHL202S 2K 1/4W THERMISTOR R766 QR20077-272 2.7K 1/4W FUSIBLE M768 QR20077-272 2.7K 1/4W FUSIBLE M768 QR20077-471 470 1/4W FUSIBLE M768 QR20077-471 470 1/4W FUSIBLE M769 QR20077-100 10 1/4W FUSIBLE M770 QR20077-100 10 1/4W FUSIBLE M770 QR20077-100 10 1/4W FUSIBLE M770 QR20077-100 10 1/4W FUSIBLE M771 QR20077-100 10 1/4W FUSIBLE M771 QR20077-100 10 1/4W FUSIBLE M771 QR20077-100 10 1/4W FUSIBLE M773 ERF032K-R22 0.22 3W CEMENT MR774 QR0105J-330 33 1/2W UNF.CARBON GMR777 QR0125J-330 33 1/2W UNF.CARBON GMR777 QR0125J-330 33 1/2W UNF.CARBON GMR778 QR0125J-330 33 1/2W UNF.CARBON GMR799 QR0167J-621 620 1/6W CARBON GMR999 QR0167J-621 620 1/6W CARBON GARBON GMR999 QR0167J-621 620 1/6W CARBON GARBON GAR	ΙΔ.			500			٥
R753 QRD167J-101 100 1/6W CARBON R754 QRD167J-101 100 1/6W CARBON R755 ERT-D2WFL351S 350 1/4W THERMISTOR R756 ERT-D2WFL351S 350 1/4W THERMISTOR R757 QRD167J-471 470 1/6W CARBON R759 QRD167J-471 470 1/6W CARBON R759 QRD167J-391 390 1/6W CARBON R759 QRD167J-391 390 1/6W CARBON R760 QRD167J-391 390 1/6W CARBON R760 QRD167J-391 390 1/6W CARBON R761 ERT-D2WHL202S 2K 1/4W THERMISTOR R762 ERT-D2WHL202S 2K 1/4W THERMISTOR R762 QRZ0077-272 2.7K 1/4W FUSIBLE AR766 QRZ0077-272 2.7K 1/4W FUSIBLE WYSTELL AR767 QRZ0077-471 470 1/4W FUSIBLE WYSTELL AR768 QRZ0077-471 470 1/4W FUSIBLE WYSTELL AR769 QRZ0077-100 10 1/4W FUSIBLE WYSTELL AR769 QRZ0077-100 10 1/4W FUSIBLE WYSTELL AR770 QRZ0077-100 10 1/4W FUSIBLE WYSTELL AR770 QRZ0077-100 10 1/4W FUSIBLE WYSTELL AR771 QRZ0077-100 10 1/4W FUSIBLE WYSTELL AR772 QRZ0077-100 10 1/4W FUSIBLE WYSTELL AR773 ERF032K-R22 0.22 3W CEMENT WYSTELL AR774 QRZ0077-100 10 1/4W FUSIBLE WYSTELL AR775 QRZ01CJ-100A 10 1W 0.M.FILM WYSTELL AR775 QRZ01CJ-100A 10 1W 0.M.FILM WYSTELL AR777 QRD125J-330 33 1/2W UNF.CARBON F WYSTELL AR777 QRD125J-330 33 1/2W UNF.CARBON F WYSTELL AR778 QRD125J-330 33 1/2W UNF.CARBON F WYSTELL AR778 QRD125J-330 33 1/2W UNF.CARBON F WYSTELL AR778 QRD125J-330 33 1/2W UNF.CARBON F WYSTELL ARROW GRAPEN F WYSTELL	1				1	1	
R754 QR0167J-101   100   1/6W CARBON   R755 ERT-D2WFL351S   350   1/4W   THERMISTOR   R756 ERT-D2WFL351S   350   1/4W   THERMISTOR   R757 QR0167J-471   470   1/6W CARBON   CARBON   R758 QR0167J-471   470   1/6W CARBON   R759 QR0167J-391   390   1/6W CARBON   R760 QR0167J-391   390   1/6W CARBON   R761 ERT-D2WHL202S   2K   1/4W   THERMISTOR   R762 ERT-D2WHL202S   2K   1/4W   THERMISTOR   R765 QR10077-272   2.7K   1/4W   FUSIBLE   470   1/4W   1/4W   1/4W   1/4W   1/4W   1/4W   1/4W   1/4W   1/4W   1	1					1	
R756   R770	l				1/6W	CARBON	
R757   QRD167J-471   470   1/6W   CARBON   R758   QRD167J-391   390   1/6W   CARBON   R760   QRD167J-391   390   1/6W   CARBON   R761   ERT-DZWHL202S   2K   1/4W   THERMISTOR   THERMISTOR   R762   ERT-DZWHL202S   2K   1/4W   THERMISTOR   THERMISTOR   R765   QRZ0077-272   2.7K   1/4W   FUSIBLE   2.7K   1/4W   2.7K   2.7K   1/4W   2.7K   2.	1						
R758 QRD167J-471	1						
R759 QR0167J-391 390 1/6W CARBON   R760 QR0167J-391 390 1/6W CARBON   R761 ERT-D2WHL202S 2K 1/4W THERMISTOR   R762 ERT-D2WHL202S 2K 1/4W THERMISTOR   R765 QR20077-272 2.7K 1/4W FUSIBLE   M R766 QR20077-272 2.7K 1/4W FUSIBLE   M R767 QR20077-471 470 1/4W FUSIBLE   M R768 QR20077-471 470 1/4W FUSIBLE   M R769 QR20077-400 10 1/4W FUSIBLE   M R770 QR20077-100 10 1/4W FUSIBLE   M R771 QR20077-100 10 1/4W FUSIBLE   M R772 QR20077-100 10 1/4W FUSIBLE   M R772 QR20077-100 10 1/4W FUSIBLE   M R772 QR20077-100 10 1/4W FUSIBLE   M R773 ERF032K-R22 0.22 3W CEMENT   M R774 QR20077-100 10 1/4W FUSIBLE   M R775 QR201CJ-100A 10 1W 0.M.FILM   M R776 QR201CJ-100A 10 1W 0.M.FILM   M R776 QR201CJ-100A 10 1W 0.M.FILM   M R777 QR20125J-330 33 1/2W UNF.CARBON F   M R777 QR20125J-330 33 1/2W UNF.CARBON F   M R777 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R778 QR20125J-330 33 1/2W UNF.CARBON G   M R798 QR20125J-330 33 1/2W UNF.CARBON G   M	l						
R760   RR0167J-391   590   1/6W   CARBON   R761   ERT-DZWHL202S   2K   1/4W   THERMISTOR   R762   ERT-DZWHL202S   2K   1/4W   THERMISTOR   R765   QR10077-272   2.7K   1/4W   FUSIBLE   2.7K   2.7K   1/4W   FUSIBLE   2.7K	1						
R761   ERT-D2WHL202S   2K	1						t
↑ R762 ERT-D2WHL202S 2K 1/4W THERMISTOR R765 QR10077-272 2.7K 1/4W FUSIBLE	1						
A         R766         QRZ0077-272         2.7K         1/4W         FUSIBLE           A         R767         QRZ0077-471         470         1/4W         FUSIBLE           A         R768         QRZ0077-401         470         1/4W         FUSIBLE           A         R779         QRZ0077-100         10         1/4W         FUSIBLE           A         R771         QRZ0077-100         10         1/4W         FUSIBLE           A         R773         QRZ0077-100         10         1/4W         FUSIBLE           A         R773         ERF032K-R22         0.22         3W         CEMENT           A         R774         ERF032K-R22         0.22         3W         CEMENT           A         R775         QRG01CJ-100A         10         1W         0.M.FILM           A         R776         QRG01CJ-100A         10         1W         0.M.FILM           A         R776         QRG01CJ-100A         10         1W         0.M.FILM           A         R777         QRD125J-330         33         1/2W         UNF.CARBON E           A         R777         QRD125J-330         33         1/2W         UNF.CARBON E	1			2K	1/4W	THERMISTOR	
A							
☆   R768	1						$\vdash \vdash \vdash$
☆   R769							
☆ R770 QR20077-100							
☆   R771 QR20077-100   10							
☆ R772 QR20077-100 10 1/4W FUSIBLE CREENT				10	1/4W	FUSIBLE	
★ R774	么	R772	QRZ0077-100	10	1/4W		
★       R775       QR601CJ-100A       10       1W       0.M.FILM         ★       R776       QR601CJ-100A       10       1W       0.M.FILM         ★       R777       QR0125J-301       100       1/2W       UNF.CARBON G         ★       R777       QR0125J-330       33       1/2W       UNF.CARBON F         ★       R777       QR0125J-330       33       1/2W       UNF.CARBON HBS         ★       R778       QR0125J-101       100       1/2W       UNF.CARBON G         ★       R778       QR0125J-330       33       1/2W       UNF.CARBON F         ★       R778       QR0125J-330       33       1/2W       UNF.CARBON F         ★       R778       QR0125J-330       33       1/2W       UNF.CARBON F         ★       R778       QR0167J-621       620       1/6W       CARBON HBS         R791       QR0167J-621       620       1/6W       CARBON HBS         R792       QR0167J-621       620       1/6W       CARBON CARBON HBS         R793       QR0167J-621       620       1/6W       CARBON C							
★ R776 QR601CJ-100A 10 1W 0.M.FILM R777 QR012SJ-101 100 1/2W UNF.CARBON G							
☆   R777   QRD125J-101   100   1/2W   UNF.CARBON   G     ☆   R777   QRD125J-330   33   1/2W   UNF.CARBON   E     ☆   R777   QRD125J-330   33   1/2W   UNF.CARBON   F     ☆   R777   QRD125J-330   33   1/2W   UNF.CARBON   G     ☆   R778   QRD125J-330   33   1/2W   UNF.CARBON   G     ☆   R778   QRD125J-330   33   1/2W   UNF.CARBON   F     R779   QRD167J-621   620   1/6W   CARBON     R791   QRD167J-621   620   1/6W   CARBON     R792   QRD167J-621   620   1/6W   CARBON     R793   QRD167J-621   620   1/6W   CARBON     R794   QRD167J-621   620   1/6W   CARBON     R795   QRD167J-151   150   1/6W   CARBON     R796   QRD167J-151   150   1/6W   CARBON     R796   QRD167J-151   150   1/6W   CARBON     R796   QRD167J-151   150   1/6W   CARBON     R797   QRD167J-151   150   1/6W   CARBON     R798   QRD167J-151   150   1/6W   CARBON							
★ R777 QR0125J-330   33   1/2W   UNF.CARBON   F   F   F   F   F   F   F   F   F							I
☆   R777   QRD125J-330   33   1/2W   UNF.CARBON   F   R777   QRD125J-330   33   1/2W   UNF.CARBON   HBS   MF.CARBON   CARBON   G   MF.CARBON   G   MF.CARB					i .		
☆ R777 QRD125J-330	Δ		QRD125J-330	33			
☆   R778   QRD125J-330   33   1/2W   UNF.CARBON   E     ☆   R778   QRD125J-330   33   1/2W   UNF.CARBON   F     ☆   R778   QRD125J-330   33   1/2W   UNF.CARBON   HBS     ☆   R778   QRD167J-621   620   1/6W   CARBON     R792   QRD167J-621   620   1/6W   CARBON     R793   QRD167J-621   620   1/6W   CARBON     R794   QRD167J-621   620   1/6W   CARBON     R795   QRD167J-151   150   1/6W   CARBON     R796   QRD167J-151   150   1/6W   CARBON	Δ		QRD125J-330	33	1/2W	UNF - CARBON	HBS
☆   R778   QR0125J-330   33   1/2W   UNF.CARBON F R778   QR0125J-330   33   1/2W   UNF.CARBON F R791   QR0167J-621   620   1/6W   CARBON   HBS R792   QR0167J-621   620   1/6W   CARBON   R793   QR0167J-621   620   1/6W   CARBON   CARBON   R794   QR0167J-621   620   1/6W   CARBON   R795   QR0167J-151   150   1/6W   CARBON   R796   QR0167J-151   150   1/6W   CARBON	Δ,						
A R778   QR0125J-330   33   1/2W   UNF.CARBON   HBS   R791   QR0167J-621   620   1/6W   CARBON   CARBON   R792   QR0167J-621   620   1/6W   CARBON   CARBO							
R791   QR0167J-621   620   1/6W   CARBON   R792   QR0167J-621   620   1/6W   CARBON   R793   QR0167J-621   620   1/6W   CARBON   R794   QR0167J-621   620   1/6W   CARBON   R795   QR0167J-151   150   1/6W   CARBON   R796   QR0167J-151   150   1/6W   CARBON   CARBON   R796   QR0167J-151   150   1/6W   CARBON							
R792 QRD167J-621 620 1/6W CARBON R793 QRD167J-621 620 1/6W CARBON R794 QRD167J-621 620 1/6W CARBON R795 QRD167J-151 150 1/6W CARBON R796 QRD167J-151 150 1/6W CARBON	43						пвъ
R793 QRD167J-621 620 1/6W CARBON R794 QRD167J-621 620 1/6W CARBON R795 QRD167J-151 150 1/6W CARBON R796 QRD167J-151 150 1/6W CARBON	1						- 1
R794 QR0167J-621 620 1/6W CARBON R795 QR0167J-151 150 1/6W CARBON R796 QR0167J-151 150 1/6W CARBON	1						
R796 QRD167J-151 150 1/6W CARBON	1	R794	QR0167J-621	620	1/6W		
	1						- 1
T L K L A K M TOL 121 TO 119M CARBON	1						1
	<u></u>	LKIAL	#KN1017-121	170	1/0W	CARBUN	

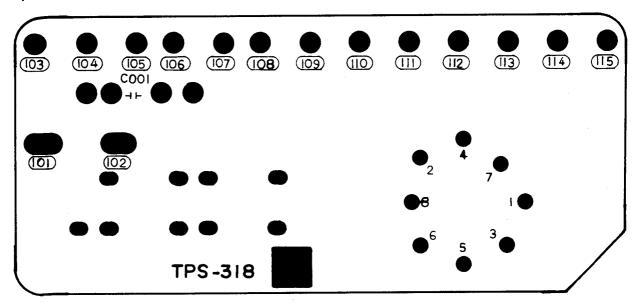
Re	sisto	rs				
Æ	гтем	PART NUMBER	DESC	R I	PTION	AREA
	R798	QRD167J-151	150	1/6W	CARBON	
⚠	R801	QRZ0077-330	33	1/4W	FUSIBLE	
Δ	R802	QRZ0077-330	33	1/4W	FUSIBLE	
1	R803	QRD167J-223	22K	1/6W	CARBON	
1	R804	QRD167J-203	20K	1/6W	CARBON	
Δ	R811	QRZ0077-330	33	1/4W	FUSIBLE	***********
₾	R812	QRZ0077-330	33	1/4W	FUSIBLE	
	R813	QRD167J-123	12K	1/6W	CARBON	
i	R814	QRD167J-563	56K	1/6W	CARBON	
	R815	QRD167J-221	220	1/6W	CARBON	
		QRD167J-393	39K	1/6W	CARBON	
ļ	R901	QRD167J-272	2.7K	1/6W	CARBON	
Į	R902	QRD167J-272	2.7K	1/6W	CARBON	
	R903	QRD167J-153	15K	1/6W	CARBON	
l		QRD167J-153	15K	1/6W	CARBON	
1		QRD167J-104	100K	1/6W	CARBON	
1	R906	QRD167J-823	82K	1/6W	CARBON	
1		QRD167J-223	22K	1/6W	CARBON	
]	R908		22K	1/6W	CARBON	
l		QRD167J-103	10K	1/6W	CARBON	
	R911	QRD167J-473	47K	1/6W	CARBON	
	R912	QRD167J-562	5.6K	1/6W	CARBON	
i	R916	QRD167J-103	10K	1/6W	CARBON	
		QRD167J-103	10K	1/6W	CARBON	
l	R918	QRD167J-274	270K	1/6W	CARBON	
1	R919		3.3K	1/6W	CARBON	
1		QRD167J-393	39K	1/6W	CARBON	
1	R921		15K	1/6W	CARBON	
1	R923		100	1/6W	CARBON	
Δ	R924	QRGO2CJ-122A	1.2K	2 W	O.M.FILM	
Δ	R925	QRZ0077-100	10	1/4W	FUSIBLE	-
1				ŀ	1	
			1			

<u>Ot</u>	hers																	
Δ	ITEM	PART	NUM	вЕ	R	D	Е	s	С	R	1	ŀ	т	ı	()	N	ΑR	ΕA
		EMG733				FUS												
	1	EMG733		?		FUS											l	
	1	E11943				CI											E	
1		E11943				CIE			-			-					F	
		E11943				CIE											G	
1		E11943				CIP					RI	3					HE	3 S
1		E30020				HEA											!	
ł	]	E30580				INS												
ŀ	1 1	E30580				INS				ON		30	ΟK				ł	
		E33754				TIE		AN	D								l	
}	i	E65508				TAE											F	
		£65508				TAE	3										G	
1		E65508				TAE											HE	38
1		E70945	-H25			HEA	ŀΤ	SI	ΝK									
		E73525	-003			SCR	EW											
i		GBSB30	08CC			SCR	EW											
		SBSB30				SCR	EW											
1		SBSB30	0800			SCR	EW											1
1	J701	EMV712	2-003	;		CON	NE	CT	OR									i
1	J702	EMV712	2-003			CON	NE	СT	0R									
1	J751	EMBOOT	P-801	C		SPE	AK	ER	Ŧ	ER	MI	N	A L		• • • • •			
1 '	J752	EMBOOT	P-801	C		SPE	AK	ΕR	T	ΕR	M J	N	٩L					
1	J753	QMS6A4	0-021			HEA	DP	нο	ΝE	j	AC	ĸ						
	J801	EMV712	2-003			CON	NE	¢т	OR									
1	J802	EMV712	2-003			CON	NE	СT	OR									- 1
	L701	EQLODO	1-1RC		***	IND	ÜĆ	TO	R									
1	L702	EQL000	1-1RC			IND	UС	ΤO	R									- 1
1	\$701	QST423	1-E04			PUS	Н	SW	ΙT	СН								
1	\$702	QST423	1-E04			PUS												
	EP001					EAR											G	- [
		E70859				EAR					• • • •	• • • •	• • • • • •	••••	••••		· <del>-</del>	
1 3	FW704	EWR33B	-0855	т		FLA				-								- 1
	J T 7 O 3	EMV712	2-003		- 1	CON			_									- 1
		EMV712				CON												- 1
		E67764				WRA				ΤE	RM	IN	IAL				ε	I

Ot A	hers	PART	NUM	ВЕ	R U	E	s	c	 1₹		ľ	т	ı	()	N	A R	ΕΛ
-	-				-+-	AP			T :	- D	u T	N A		_		E	
	RTOOZ	E67764				AP	_				_		_			F	
1	RT003					AP	_			_		NA				G	
1	RT003				WR	AP	ΡI	NG	T	ER	ΜI	NΑ	L			H	вѕ
	RT004		-202		WR	ΑP	PI	NG	T	ER	ΜI	NΑ	L			∫.F.	
	RT004	E6776	-202			AP										G	
	RT004	E6776	4-202			AP	_									Н	BS
1	RT801					ΑP	_	NG	T	ER	ΜI	NΑ	L			İ	
ļ	RY901	ESK5D	24-21	8	RE	LA	Y									1	
L	<u> </u>	L						Δ	:		ΑI	FE	T' 1	7	PΑ	RT:	s

# ■ TPS-318 A Voltage Selector PC Board Ass'y

(Except Australia, Continental Europe, West Germany, the U.K.)

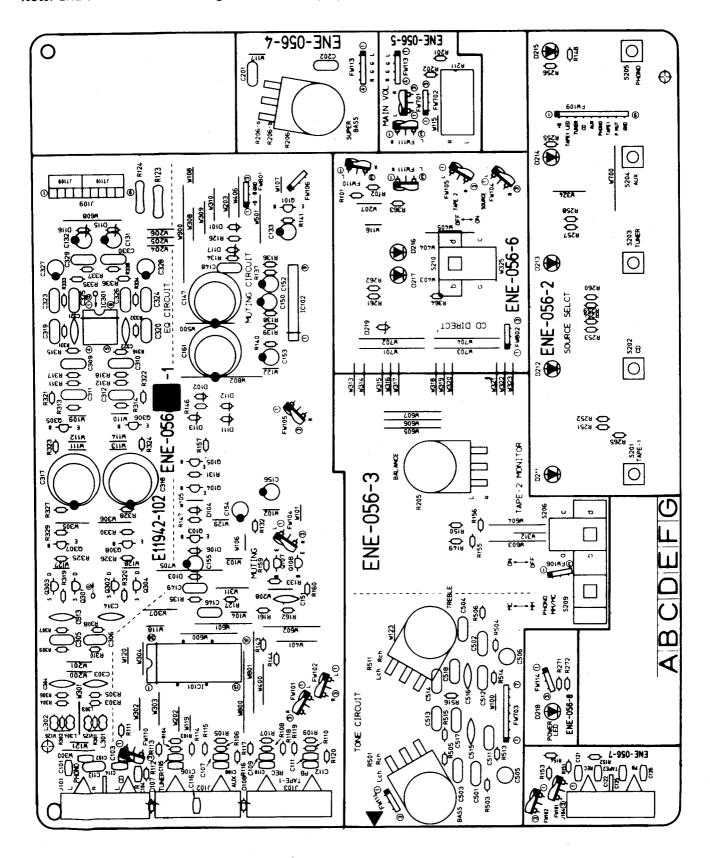


Ca	pacit	ors													,
₼	ITEM	PART NUMBE	R	D	E	s	С	R	1	P	Т	ı	О	N	ARE/
	C001	QCZ9018-103		0.0	011	1 F				C	ER	A M	I C		
L							<u> </u>	:	S	A F	E'	ΤY	, l	PAI	RTS

A I TE	PART NUMBE	R DESCRIPTION /	REA
Δ	E302057-002 E65508-002 E67764-302 E67764-303 E67764-304 QMC0637-004 QSR0085-006U	CIRCUIT BOARD TAB WRAPPING TERMINAL WRAPPING TERMINAL WRAPPING TERMINAL AC OUTLET VOLTAGE SELECTOR	

#### ■ ENE-056 ☐ Source Selector PC Board Ass'y

Note: ENE-056 ☐ varies according to the areas employed. See note (1) when placing an order.



#### Note (1)

	The state of the s
PC Board Ass'y	Designated Areas
ENE-056 A	Other Countries
ENE-056 B	Australia, Continental Europe, the U.K.
ENE-056 C	West Germany

Т	ra	n	9	is	t	O	rs

<u> </u>	311515	1013			
Δ	ITEM	PART NUMBER	DESCR	IPTION	AREA
				MAKER	
Г	Q101	DTA144ES	SILICON	ROHM	
	Q103	2SC2389(S,E)	SILICON	ROHM	
	9104	DTC144ES	SILICON	ROHM	
1	Q105	DTA144ES	SILICON	ROHM	
1	Q107	25C3068	SILICON	SANYO	
	Q108	2803068	SILICON	SANYO	
1	9301	2SK170(BL)	F.E.T	TOSHIBA	
1	Q302	2SK170(BL)	F.E.T	TOSRIBA	]
1	Q303	2SK170(BL)	F.E.T	TOSEIBA	ŀ
l	0304		F.E.T	TOSHIBA	
	Q305	2SD655(E,F)	SILICON	HITACHI	
1	Q306	2SD655(E,F)	SILICON	HITACHI	
1	Q307	2SD655(E,F)	SILICON	HITACHI	
1	Q308	2SD655(E,F)	SILICON	HITACHI	
$\bot$			<u> </u>		

Δ	:	SAF	EТ	Y	PAR

I.C.s				
A I TEM	PART NUMBER	DESCR	I P T I O N	AREA
IC101 IC102 IC301		I.C. I.C. I.C.	SANYO TOSHIBA JRC	

Δ	:	SAFETY	PARTS

D	iodes				
A	LTEM	PART NUMBER	DESCR	IPTION	AREA
1				MAKER	
Г	D101	188133	SILICON	ROHM	
1	0102	188133	SILICON	ROHM	
1	D103	188133	SILICON	ROHM	
1	D104	188133	SILICON	ROHM	ĺ
	D106	1\$\$133	SILICON	ROHM	·
1	D107	MTZ3.3JB	ZENER	ROHM	
	0108	MTZ3.3JB	ZENER	ROHM	
	D111	188133	SILICON	ROHM	
1	D112	188133	SILICON	ROHM	
1	D113		ZENER	ROHM	
	D115	MTZ13JC	ZENER	ROHM	
i	D116	MTZ13JC	ZENER	ROHM	
	D117	MTZ6.8JC	ZENER	ROHM	
1	D211	SLR-331VR50F070	L.E.D.	ROHM:	1
	D212	SLR-331DU50F070	L.E.D.	ROHM	
	D213	SLR-331DU50F070	L.E.D.	ROHM,	
	D214	SLR-331DU50F070	L.E.D.	ROHM	1
	D215			ROHM	1
	D216	SLR-34YC50F165	L.E.D.		
	D217				ļ
	D218	SLR-3310U70F070	L.E.D.	ROHM	1
	0219	MTZ5.1JC	ZENER	ROHM	1
ŀ	1				ł
- 1			I	1	ļ

A : SAFETY PARTS

#### Capacitors

	P					1
$\triangle$	ITEM	PART NUMBER	DES	C R I	PTION	AREA
	C101	QCBB1HK-221	220PF	sov	CERAMIC	C
1	C102		220PF	500	CERAMIC	C
	C103	QCBB1HK-471	470PF	500	CERAMIC	C
1	C104	QCBB1HK-471	470PF	50V	CERAMIC	C
1	C105	QCBB1HK-221	220PF	50V	CERAMIC	C
-	C106	QCBB1HK-221	220PF	50V	CERAMIC	C
1	C107	QCBB1HK-221	220PF	50V	CERAMIC	C
1	C108		220PF	50V	CERAMIC	C
	C109	QCBB1HK-221	220PF	50V	CERAMIC	C
	C110	QCBB1HK-221	220PF	50V	CERAMIC	<u> </u>

#### Capacitors

Ca	pacit	ors				
	ITEM	PART NUMBER	DESC	RIF	PTION	AREA
Ì	C111				CERAMIC	C
	C112				CERAMIC	С
Ì	C113				MYLAR	
ļ	C114				CERAMIC	r
	C121				CERAMIC	<u>c</u>
Ì	C122	QCBB1HK-221			CERAMIC CERAMIC	C
	C125	QCBB1HK-221 QCBB1HK-221			CERAMIC CERAMIC	C
	C126	QCBB1HK-221 QETB1EM-107			ELECTRO	
	C131	QETB1EM-107			ELECTRO	
,	C133	QETB1HM-106			ELECTRO	
	C146	QFN81HJ-562	5600PF	50V	MYLAR	
	C147	QETBOJM-228	2200MF	6.30	ELECTRO	
	C148	QFN81HJ-562	5600PF	500	MYLAR	
	C149	QFN81HK-473	0.047MF		MYLAR	١
	C150	QETB1HM-225	2.2MF		ELECTRO	1
	C152	QETB1CM-226			ELECTRO	1
i	C153				ELECTRO	1
ſ	C154		100MF		ELECTRO	1
ļ	C155		0.47MF 4.7MF		ELECTRO ELECTRO	l
1	C156		4.7MF 0.1MF		ELECTRO T.FILM	1
ļ	C201	•	0.1MF 0.1MF		T.FILM	1
l	C202		0.1MF 150PF		CERAMIC	١
1	C303		150PF	50V	CERAMIC	1
ļ	C304		0.01MF	500	MYLAR	ļ
1	C306		0.01MF	50V	MYLAR	
1	C309		3900PF	50V	MYLAR	1
	C310	QFN81HK-392	3900PF	SOV	MYLAR	l l
	C311	QFN81HK-822	8200PF		MYLAR	<b> </b>
1	C312	QFN81HK-822	8200PF	50V	MYLAR	1
	C313		150PF		CERAMIC	1
1	C314		150PF	50V	CERAMIC	Į
ı	C317		2200MF	6.30	ELECTRO	Į
1	C318		2200MF	6.3V 50V	ELECTRO MYLAR	ļ
1	C319		4700PF 4700PF	50V 50V	MYLAR MYLAR	l
1	C320		330PF	500	CERAMIC	ļ
١	C321	0CS21HI-331	330PF	50V	CERAMIC	ļ
1	C323	1	0.015MF	sov	MYLAR	L
ļ	C324	QFN81HJ-153	0.015MF	50V	MYLAR	
1	C325	QFN81HJ-272	2700PF	sov	MYLAR	
i	C326	QFN81HJ-272	2700Pf	SOV	MYLAR	
l	C327	EETB2AM-106E	10MF	100V	ELECTRO	1
L	C328	EETB2AM-106E	10MF	100V	ELECTRO	
	C329	QFN81HJ-222	2200PF 2200PF	50V 50V	MYLAR	C
1	C330		2200PF 0.015MF	50V 50V	MYLAR Mylar	١
1	C501	- I	0.015MF	50V 50V	MYLAR	1
١	C502		0.015MF	50V	MYLAR	ĺ
ļ	C504		0.082MF	SOV	MYLAR	
l	C505	5 QEN51HM-475	4.7MF	sov	NON POLE	1
	C506	6 QEN51HM-475	4.7MF	SOV	NON POLE	
	C511	1 QFN81HK-332	3300PF	50V	MYLAR	1
<b>I</b>	C512	2 QFN81HK-332	3300PF	500	MYLAR	
·····	C513	3 QFN81HK-183	0.018MF	500	MYLAR	1
1	C514	4 QFN81HK-183	0.018MF	50V	MYLAR	1
	C515		220PF	50V	CERAMIC	1
	C516		220PF	50V	CERAMIC	
ļ	C51		1200PF	50V 50V	MYLAR MYLAR	
ĺ	C518	8 QFN81HK-122	1200PF	٧٧	[=0.5	1
1	1		1		1	1
1			1	i	1	l
	1		1	1	<u> </u>	L.
				<u> </u>	AFETY PA	RTS
R	esisto	ors	,			_

Re	sisto	rs				
Â	ITEM	PART NUMBER	DESC	RI	PTION	AREA
	R101	QRD167J-105	1 M	1-	CARBON	
	R102	QRD167J-105	1 M	1/6W	CARBON	
	R103	QRD167J-105	1 M	1/6W	CARBON	
1	R104	QRD167J-105	1 M	1/6W	CARBON	
İ	R105	QRD167J-105	1 M	1/6W	CARBON	
	R106	QRD167J-105	1 M	1/6W	CARBON	
1	R107	QRD167J-105	1 M	1/6W	CARBON	
	R108	QRD167J~105	1 M	1/6W	CARBON	ł
1	R109	QRD167J-105	1 M	1/6W	CARBON	İ
1	R110	QRD167J~105	1 M	1/6W	CARBON	į
	R111	QRD167J-471	470	1/6W	CARBON	1
1	R112	QRD167J-471	470	1/6W	CARBON	ľ
	R113	QRD167J-471	470	1/6W	CARBON	
1	R114	QRD167J-471	470	1/6W	CARBON	
Į	R115	QRD167J-471	470	1/6W	CARBON	
	R116	QRD167J-471	470	1/6W	CARBON	
1	R117	QRD167J-471	470	1/6W	CARBON	
1	R118	QRD167J-471	470	1/6W	CARBON	
1	R119	QRD167J-471	470	1/6W	CARBON	
1	R120	QRD167J-471	470	1/6W	CARBON	

	sisto	rs	r			
Δ	тем	PART NUMBER	DESC	R I	PTION	AREA
Δ	R123	QRZ0077-101	100	1/4W	FUSIBLE	
Δ	R124	QRZ0077-101	100		FUSIBLE	
	R126	QRD167J-104	100K	1/6W	CARBON	
	R127	QRD167J-104	100K	1/6W	CARBON	1
	R131 R132	QRD167J-103 QRD167J-103	10K 10K	1/6W	CARBON	ļ
	R134	QRD167J-103	10K	1	CARBON	
	R135	QRD167J-474	470K	1/6W	CARBON	
	R136	QRD167J-562	5.6K	1/6W	CARBON	1
	R137	QRD167J-473	47K	1/6W	CARBON	
	R138	QRD167J-392	3.9K	1/6W	CARBON	
	R139	QRD167J-104 QRD167J-104	100K 100K		CARBON	
	R141	QRD167J-223	22K	1/6W	CARBON	
	R143	QRD167J-102	1K		CARBON	
	R144	QRD167J-102	1K	1/6W	CARBON	
	R146	QRD167J-122	1.2K	1	CARBON	
	R147		47K		CARBON	
	R148		27K 470	1/6W 1/6W	CARBON	
	R150		470	1/6W	CARBON	
	R151	QRD167J-105	1M	1/6W	CARBON	
	1152		1M	1/6W	CARBON	
	:153		470	1/6W	CARBON	
	R154		470	1/6W	CARBON	
	R156	QRD167J-105 QRD167J-105	1 M 1 M	1/6W	CARBON	1
	R157	QRD167J-102	1K	1/6W	CARBON	
	R159		33K	1/6W	CARBON	1
	R160		33K	1/6W	CARBON	
	R161	QRD167J-105	1M	1/6W	CARBON	
	R162		1 M	1/6W	CARBON	1
	R201		10K	1/6W	CARBON	
	R202		10K 250K	1/6W	CARBON VARIABLE	1
	R206		20K	<b></b>	VARIABLE	1
	R211	QVD8A7B-AF5VA	250K		VARIABLE	
	R251	1	1.2K	1/6W	CARBON	
	R252		1.2K 1.2K	1/6W	CARBON	
	R253		1.2K	1/6W	CARBON	
	R255		1.2K	1/6W	CARBON	
	R256		1.2K	1/6W	CARBON	
	R257		1.2K	1/6W	CARBON	
	R258		1.2K	1/6W	CARBON	
	R259		1.2K 1.2K	1/6W	CARBON	
	R261		1.2K	1/6W	CARBON	
	R262		1.1K	1/6W	CARBON	
	R265		100K	1/6W	CARBON	
	R271		1.3K	1/6W	CARBON	
1	R272		1.5K	1/6W	CARBON	1
1	R301		1K 1K	1/6W	CARBON CARBON	C
	R302		47K	1/6W		١
	R304		47K	1/6W	CARBON	
	R305	QRD167J-471	470	1/6W	CARBON	
	R306		470		CARBON	
	R307		5.6	1/6W	CARBON	İ
	R308		5.6 100	1/6W 1/6W	CARBON	·····
l	R310		100	1/6W	CARBON	
	R311		5.6K	1/6W	CARBON	ĺ
	R312	QRD167J-562	5.6K	1/6W	CARBON	
	R313		27	1/6W	CARBON	
	R314	1	27	1/6W	CARBON	
1	R315		560 560	1/6W	CARBON	
1	R316		5.6K	1/6W	CARBON	1
	1 421	QRD167J-562	5.6K	1/6W	CARBON	1

Re	sistor	rs					
Δ	ІТЕМ	PART NUMBER	DESC	R I	РТІС	אכ	AREA
	R319		2.2K		CARBON		
	R320		2.2K		CARBON		
	R321		2.7K		CARBON		
	R322		2.7K		CARBON		1
	R323		27K		CARBON		l
1	R324		27K		CARBON		i
	R325		27K		CARBON		
	R326		27K		CARBON		
	R327		18		CARBON		l
ļ	R328	*********************************	18		CARBON		l
l	R329		220		CARBON		1
	R330		220		CARBON		
l	R331		15K		CARBON		ļ
	R332	QRD167J-153	15K	1/6W	CARBON		
	R333	******************************	180K		CARBON		l
	R334		180K	1			
	R335	QRD167J-471	470	1/6W	CARBON		1
	R336	QRD167J-471	470	1/6W	CARBON		
	R337	QRD167J-104	100K	1/6W	CARBON		1
	R338	QRD167J-104	100K	1/6W	CARBON		
	R363	QRD167J-471	470	1/6W	CARBON		
1	R364	QRD167J-471	470	1/6W	CARBON		1
	R501	QVDB87C-E15B	100K	Ī	VARIAB	LE	ļ
l	R503	QRD167J-203	20K	1/6W	CARBON		İ
l	R504	QRD167J-203	20K	1/6W	CARBON		1
1	R505	QRD167J-362	3.6K	1/6W	CARBON		
!	R506	QRD167J-362	3.6K	1/6W	CARBON		!
1	R511	QVDB87C-E15B	100K		VARIAB		1
1	R513	QRD167J-472	4.7K		,		1
l	R514		4.7K	1/6W	CARBON		l
1	R515		820		CARBON		
1	R516	QRD167J-821	820	1/6W	CARBON		l
1	1 1		1	1			1

Λ	ІТЕМ	PAR	Т	ŅI	J M	В	E R	D	E	s	С	R	ł.	P	T	,1	0	N	AREA
		E119	42	-1	02			C I	RCI	111	r 1	301	RI	,					
		E305	98	3-6	001			HO	LDE	E R									
	J101	EMNO	OΤ	٧-،	405	Α		ĄΡ	P:	I N	11	1 C K	:						
		EMNO						4P	P)	N	31	4 C K	:						į.
		EMNO						4P											l
		EMNO						4P	P	I N	11	CK							
		EQL4						IN	DUC	CTO	)R								C
		EQL4						IN											C
		EQL4						IN											C
		EQL4						IN											C
		ESPO						TA											
		ESPO						TA											l
		ESPO						TA											l
		ESPO						TA											ļ.
	\$205	ESPO	00	1-(	018			TA	CT.	SV	/I]	CH	l						
	\$206	QSTL	25	1-1	E01			PU	SH	SI	IΊ	CH							
	5210	QSTL	10	1-	E04			PU:	SH	S	/I7	CH							
	FW101	EWR2	3 C	-2(	NNC	!		FL	ΑT	W)	RE								l
	FW102	EWR2	3 C	-26	NNC	1		FL	ΑT	W I	RE								1
	FW104	EWR2	3 C	-3(	NNC			FL	A T	W)	RE	:							l
	FW105	EWR2	3 C	-2	5 N N			FL	ΑT	W)	RE								
	FW106	EWR3	3 B	-3	sss	T		FL	ΑT	W1	RE	:							1
	FW109	EWR3	9 B	-20	OKS	T		FLA	AΤ	W	RE	:							1
	FW110	EWR2	3 C	-3:	5 N N			FL	ΑT	W]	I.R E	:							1
	FW111	EWR2	3 C	-16	SNN			FL	A T	W	RE								Ì
	FW113							FL	A T	W	RE								
	FW114	EWR3	38	-13	3 S S	Т		FLI	٩T	W.	RE	:							
	FW701	EWR2	3 C	-10	NLC			FL	ΑT	W.	RE								
	FW702	EWR3	3 B	-1.	3KS	T		FL	٩T	W.	RE	:							ļ
	FW703	EWR3	7В	-39	SKS	T		FLA	AT.	WI	RE	:							
•••	FW801							FL											
	FW802	EWR3	3 B	-13	3KS	Т		FL	٩T	W I	RE	:							1
	JT109	EMV7	12	2-(	004			CO	NNE	CT	OR								l
	JT110	EMV7	12	2-0	005			CO	NNE	CT	OR	1							

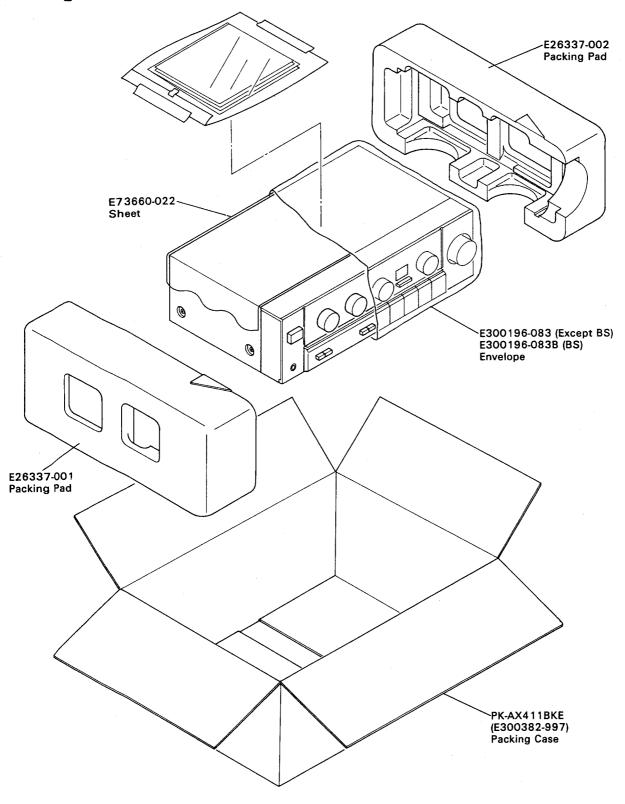
# **Accessories List**

A	· Part Number	Part Name	Q'ty	Description	Areas
	E30580-1517A E30580-1517ABS BT20064A BT20029C BT20060	Insutruction Book Insutruction Book Warranty Card Warranty Card Warranty Card	1 1 1 1 1 1	for Australia	Except BS BS G A BS
$\triangle$	BT20098 BT20066A E43486-340A QZL1008-001 E04056	Warranty Card EEC Agency Safety Sheet FTZ Insutruction Sheet Siemens Plug	1 1 1 1	for New Zealand	A G,BS BS G U
	E35497-019 E41202-2 E41202-2B	Caution Sheet Envelope Envelope	1 1 1	220V	U Except BS BS

 $\triangle$ : Safety Parts

The Marks for Des	signated Areas
AAustralia	BSthe U.K.
GWest Germany	UOther Countries
E . EFContinental Europe	No mark Indicates all areas.

# **Packing Materials and Part Numbers**



The Marks for Designated Areas								
AAustralia	BSthe U.K.							
GWest Germany	UOther Countries							
E , EFContinental Europe	No mark Indicates all areas.							